

# SANITARY FITTINGS.



JOHN JONES.

(CHELSEA), LIMITED.

CARLYLE WORKS.

CHELSEA,

LONDON. S.W.



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*JUNE, 1914.*

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JUNE, 1914.

JOHN JONES (CHELSEA), LTD.

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1914 CATALOGUE.

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General Trade Discount, 20%.

WITH FOLLOWING EXCEPTIONS:

Glazed Stoneware Drain Pipes and Fittings	}	Page 127 - 35%
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Drain Testing and Clearing Appliances	}	Pages 131 - 149 - 10%
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Wrought-Iron Tubes and Fittings	}	Page 331 - Discounts on Application.
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# INDEX OF SECTIONS.

## PAGES—1 to 100.

Patent and Improved Cast-iron Drainage Fittings.  
"Eureka" Cast-iron Anti-flooding Fittings. Sewage Appliances and Sewer Ironwork.  
Patent "Triple" and "Double-seal" Manhole Covers.  
Deep-seal Manhole Covers. Ventilating Manhole Covers.  
Heavy Roadway and Lamphole Covers.  
Penstocks and Sluice Valves. Side Entrance Covers.  
Sewer Ventilating Shafts.  
Cast-iron Soil Pipes and Connections.  
Rainwater Pipes, Gutters, and Connections.  
Patent Air Inlet and Outlet Ventilators. Soil Pipe Guards.

## PAGES—101 to 130.

Patent and Improved Glazed Stoneware Drainage Fittings.  
Glazed Stoneware Interceptors with Locking Stopper fitted to Clearing Arm.  
"Lixall" Intercepting and Access Chambers.  
"Adapta" Glazed Stoneware Gullies.  
"Access" and "Inspection" Stoneware Gullies. Stable and Grease Gullies.  
"Eureka" Anti-flooding Fittings.  
White Glazed Channel Pipes and Connections.  
Channel Bends (Three-quarter and Half Section).  
Automatic Flushing Tanks and Tipping Tanks.

## PAGES—131 to 149.

Drain Testing and Clearing Appliances.  
"Flexible" Bag Stoppers. Screw Expanding Stoppers.  
Hydraulic and Air Test Fittings. Smoke Machines. Smoke Rockets and Smell Tests.  
Sewer and Drain Clearing Rods and Fittings.  
Sewer Garments and Boots. Sewer Flushing Appliances.

# GENERAL INDEX.

	PAGE
Access Bends, Cast-iron, Drain ...	8
Access Bends, L.C.C. Soil and Waste ...	82
Access Branches, Cast-iron, Drain ...	4, 5
Access Gully, Glazed Stoneware ...	115
Access Gully Traps, Cast-iron, Drain ...	15
Access Intercepting Trap ...	43
Access Pipes, Cast-iron, Drain ...	4, 5
Access Pipes, L.C.C. Soil and Waste ...	81
"Adapta" Anti-flood Gully ...	12
"Adapta" Glazed Stoneware Gullies ...	110 to 115
"Adapta" Gullies, Cast-iron, Drain ...	12 to 15
"Adapta" Intercepting Trap, Cast-iron ...	43
"Adelaide" Enamelled Cast-iron Bath ...	157
Air Bricks ...	98
Air Inlet Ventilators ...	97, 98
Air Inlet Manhole Covers ...	70
Air-tight Inspection Chambers, Cast-iron, Drain ...	28 to 36
Air Pressure Gauge ...	136
Air Pumps for Bag Stoppers ...	131
Air Test Gauges ...	137, 138
"Alexandra" Enamelled Cast-iron Bath ...	155
Angular Lavatories, Fireclay ...	203 to 205
Angular Lavatories, Porcelain ...	220 to 224
Anti-flood Ball Intercepting Trap ...	46
Anti-flood "Eureka" Drainage Fittings ...	47, 48
Anti-Syphon Soil Branches, L.C.C. Soil and Waste ...	84, 85
"Arundel" Canopy Bath ...	153
Ash Sewer Rods ...	144
Automatic Flushing Tanks ...	129, 130
Automatic "Double-seal" Manhole Cover ...	64
"Avecta" Drain Cleanser ...	146
<b>Bag Drain Stoppers, "Flexible" ...</b>	<b>131, 132</b>
Balance Closet Seats ...	312
Balloon Guards ...	99
Ball Valves ...	327
Barrel and Fittings ...	331
Basin Valves ...	227
Basins, Lavatory ...	183 to 226
<b>Baths</b>	
"Premier" ...	151
"Coburg" ...	152
"Arundel" ...	153
"Blenheim" ...	154
"Alexandra" ...	155
"Marlborough" ...	156
"Wellesley" ...	157
"Adelaide" ...	157
"Sloane" ...	158
"Carlyle" ...	158
"Chelsea" ...	159
"Paulton" ...	159
"Tenement" ...	160
"Compact" ...	160

	PAGE
Baths—Fireclay ...	161, 162
Hospital ...	162
Portable Hospital ...	163
Cubicle ...	169
Shower ...	170, 172
Bathroom Fittings ...	166 to 182
Bath Seats ...	177
Bath Showers ...	171, 172
Bath Sponge and Soap Holders ...	176
Bath Towel Rails ...	181, 182
Bath Valves and Fittings ...	160
Bed Pan Sinks ...	233
"Bedford" Urinals ...	271
Belfast Sinks ...	245
Bends, Cast-iron, Drain ...	6, 7
Bends, Access, Cast-iron, Drain ...	8
Bends, Access, L.C.C. Soil and Waste ...	82
Bends, with Shallow Socket, Cast-iron, Drain ...	6
Bends, with Taper Socket, Cast-iron, Drain ...	6
Bends, Clearing Arm, Cast-iron, Drain ...	7
Bends, Inspection Chamber, Cast-iron, Drain ...	28, 29
Bends, L.C.C. Soil and Waste ...	82
Bends for Petrol Tanks ...	25b, 128
Bends, Knuckle, Cast-iron, Drain ...	7
Bellmouth Gully Tops, Cast-iron, Drain ...	16 to 18
"Belvoir" Glazed Stoneware Stable Gully ...	116
Bib Cocks ...	255, 256
Bidets ...	229, 230
"Bijou" Air Test Gauge ...	138
Blank Sockets, Cast-iron, Drain ...	10
Blank Spigots, Cast-iron, Drain ...	10
"Blenheim" Canopy Bath ...	154
Boots, Sewer ...	148
Brackets, Cantilever, Cast-iron ...	251
Bracket Showers ...	168, 172
Brackets for Drain Pipes ...	2
Branches, Access, Cast-iron, Drain ...	4, 5
Branches, Access, L.C.C. Soil and Waste ...	84
Branches, Cast-iron, Drain ...	3, 4
Branches, L.C.C. Soil and Waste ...	83
Branches, Diminishing, L.C.C. Soil and Waste ...	83
Branches, Parallel, L.C.C. Soil and Waste ...	83
Branches, Double, L.C.C. Soil and Waste ...	84
Branches, Inverted, L.C.C. Soil and Waste ...	85
Brass Flush Pipes ...	322
Brass Lever Stoppers ...	106
Brass Pipe Clips ...	322
Brass Sleeves and Sockets ...	324 to 326
Brass Traps for Sinks and Lavatories ...	252
Brass Work, Plumbers' ...	327, 328
<b>Cabinet Lavatories ...</b>	<b>191, 192</b>
Cam-action Lavatory Valves ...	227

	PAGE
Canopy Baths ...	151 to 154
"Carlyle" Stoneware Intercepting Trap ...	103
"Carlyle" Enamelled Cast-iron Bath ...	158
Cast-iron Baths ...	151 to 163
Cast-iron Brackets, Sink ...	251
Cast-iron Drain Pipes ...	2
Cast-iron Porcelain Enamelled Lavatories ...	211, 212
Cast-iron Sink Traps ...	253
Cast-iron Tanks ...	57
Cast Lead Junctions ...	330
Cast Lead Pipe Clips ...	322
Caulking Tools ...	1
Caulking Yarn ...	1
Ceiling Showers ...	171, 172
Channel Bends, Cast-iron, Drain ...	37a
Channel Bends, Glazed Stoneware ...	124
Channels, Cast-iron, Drain ...	11
Channels, Glazed Stoneware ...	122 to 126
"Chelsea" Enamelled Cast-iron Bath ...	159
"Chelsea" Stoneware Intercepting Trap ...	103
Chemical Smell Drain Tests ...	141
Children's Baths ...	160
Children's Closets ...	308 to 310
Chutes, Cast-iron, Drain ...	11
Chutes, Glazed Stoneware ...	110
Circular Covers and Frames ...	74
Circular Gratings ...	74, 117
Cisterns, Automatic Flushing ...	129, 130
Cisterns, Flushing ...	313 to 321
Cistern Overflows ...	324
Cisterns, Tanks and Cylinders ...	332
Clearing Arm Bends ...	7
Clearing Arm Stoppers ...	44
Closets, Earth ...	293, 294
Closet Suites	
"Imperial" ...	277
"Ocean" ...	278
"Sani" ...	279
"Sloane" ...	280
"Medusa" ...	281
"Carlyle" ...	282
"Pegasus" ...	283
"Hercules" ...	284
"Vulcan" ...	285
"Empire" ...	286
"Guild" ...	287, 288
"Excelsior" ...	289
"Medusa," Low-down ...	290 to 292
Closets, Wash-down	
"Imperial" ...	297
"Cadogan," with Lead Trap ...	297
"Ocean" ...	298
"Pegasus," with Cast-iron Trap ...	298
"Sani" Corbel Closet ...	299
"Sloane" ...	300
"Medusa" ...	301
"Vulcan" ...	301
"New Carlyle" ...	302
"Carlyle Radial" ...	302



# GENERAL INDEX—Continued.

	PAGE		PAGE		PAGE
Closets, Wash-down—		Drain Mirrors ... ..	134	Galvanized Flushing Cisterns	313 to 321
“Carlyle” ... ..	303	Drain Offsets ... ..	10	Galvanized Sink Traps ... ..	253
“Minerva” ... ..	304	Drain Pipes, Cast-iron ... ..	2	Garments, Sewer ... ..	148
“Crosby” ... ..	305	Drain Pipes, Glazed Stoneware ... ..	127	Gaskin ... ..	1
“Getatable” ... ..	305	Drain Rods and Fittings ... ..	142 to 145	Glass Shelves ... ..	180
“Empire” ... ..	306	Drain Stoppers, “Flexible” Bag	131, 132	Glazed Channels and Connections	
“Cheyne” ... ..	307	Drain Stoppers, Screw Expanding	133, 134		122 to 126
“Shark” ... ..	307	Drain Testing Appliances ... ..	131 to 141	Glazed Stoneware Intercepting Traps	
“Cottage” Pan and Trap ... ..	307	Drainers, Sink ... ..	246		103 to 105
“Radia” School Closet ... ..	308	Drawn Lead Traps and Bends ... ..	254, 329	Gratings and Frames, Cast-iron ... ..	73
“Excelsior” School Closet ... ..	308	Drinking Water Fountain ... ..	251	Gratings and Frames, Wrought-iron	73
“Guild” School Closet ... ..	309, 310	Drip Sinks ... ..	247	Gratings for Rainwater Shoes	9, 32
Closets with Side Outlet ... ..	304, 306	“Dual” Mixing Valve ... ..	164, 165	Grease Gullies, Cast-iron ... ..	23
Closets, Valve ... ..	295, 296			Grease Gullies, Stoneware ... ..	119
Closet Bends, Cast-iron, Drain ... ..	6	<b>E</b> arth Closets ... ..	293, 294	Grease Traps, Cast-iron ... ..	24
Closet Bends, L.C.C. Soil ... ..	82	Enamelled Iron Lavatories ... ..	211, 212	Grease Traps, Stoneware ... ..	119
Closet Junction, L.C.C. Soil ... ..	85	Enlarging Pipes, Cast-iron Drain ... ..	10	Gullies, Bellmouth Top ... ..	18
Closet Seats ... ..	311, 312	“Eureka” Air Inlet Ventilators	97, 98	Gullies, Cast-iron ... ..	21, 22
Closet Seat Brackets ... ..	312	“Eureka” Anti-flooding Interceptor		Gullies, Cast-iron, “Adapta”	12 to 15
Closet Cones ... ..	323		47, 48	Gullies, Cast-iron, Road ... ..	25a, 27
Closet Inlet Arm Connections ... ..	323	“Eureka” Anti-flooding Gully Valves	121	Gully, Cast-iron, Stable ... ..	14
“Coburg” Canopy Bath ... ..	152	“Excelda” Plastic Jointing Material	66	Gully Channels, Cast-iron ... ..	25
Cock Boxes ... ..	71	Exhaust Ventilator ... ..	99	Gully Channels, Glazed Stoneware ... ..	118
Collars, Loose ... ..	10	Expansion Joints, Cast-iron, Drain ... ..	10	Gully Inlet Connections, Glazed	
Combination Sinks ... ..	233, 234	Extension Pieces for “Adapta”		Stoneware ... ..	120
Combination Sink and Slop Hopper ... ..	234	Glazed Stoneware Gullies ... ..	110	Gully Inlet Connections, L.C.C. Soil	
“Compact” Enamelled Cast-iron Bath	160	Extension Pieces for Ordinary Gullies	117	and Waste ... ..	88
Connecting Pieces, Square or Round		Extension Pieces for Cast-iron Gullies		Gully Inlet Pieces ... ..	19
for R.W. Pipes ... ..	11		12 to 14	Gully Plug Stopper, Square ... ..	134
Contractors’ Pumps ... ..	53b	Extension Pieces for Rainwater Shoes		Gully, “Belvoir,” Stable ... ..	116
Cones, Closet ... ..	323		9, 117	Gullies, Stoneware ... ..	110 to 113
Cooper’s Suction Pumps ... ..	147	“Ferret” Drain Cleanser ... ..	146	Gully, Trapless, Cast-iron ... ..	15
Covers and Frames for Rainwater		Ferrules, Cast-iron, Drain, with Screw		Gully, Trapless, Stoneware ... ..	118
Shoes ... ..	9, 72	Cap ... ..	10	Gully Traps, Cast-iron ... ..	19, 20
Cradles for Latrine Pits ... ..	76	Ferrules, Brass, with Screw Cap ... ..	326	Gun-metal Lavatory Valves ... ..	227
Croydon Ball Valves ... ..	327	Fire Devils ... ..	1	Gun-metal Wheel Valves ... ..	255
Cubicle Baths ... ..	169	Fireclay Porcelain Enamelled Baths		Gutters and Fittings ... ..	94, 95
Cutters, Pipe ... ..	1		161, 162		
<b>D</b> ean’s Gully, Glazed Stoneware ... ..	116	Fireclay Combination Sinks ... ..	233, 234	<b>H</b> and Flushing Valves ... ..	50
“Deep-seal” Glazed Stoneware Gully	114	Fireclay Lavatory Ranges ... ..	193 to 202	Hand Sewage Valves ... ..	49
Diaphragm Pumps ... ..	54	Fireclay Lavatories ... ..	203 to 206	Hangers for Drain Pipes ... ..	2
Diminishers for Gully Inlets ... ..	11, 25a	Fireclay Sinks ... ..	233 to 247	Heads, Rainwater ... ..	89, 90
Diminishing Pipes and Bends, Cast-		Fireclay Wash Tubs ... ..	249	Heavy Road Manhole Covers	75 to 79
iron, Drain ... ..	7, 10	Fireclay Urinals ... ..	257 to 266	High Back Sinks ... ..	243
Diminishing Pipes, L.C.C. Soil and		Fireclay Hospital Slop Sinks ... ..	235 to 238	Hinged Gratings and Frames ... ..	73
Waste ... ..	88	Flanged Sockets, Cast-iron, Drain ... ..	10	Hinged Manhole Covers and Frames	
“Disc” Testing Plugs ... ..	137	Flanged Spigots, Cast-iron, Drain ... ..	10		68 to 69
Disc Valve, Cast-iron ... ..	49	Flap Valves, Cast-iron, Drain ... ..	49	Holderbats for L.C.C. Soil and Waste	
Dished Gully Tops, Cast-iron ... ..	18	Flap Valves for Flushing Cisterns ... ..	324	Pipes ... ..	81
Dished Gully Tops, Glazed Stoneware	112	Flap Valves, Glazed Stoneware ... ..	120	Hospital Baths ... ..	162
Domical Gratings ... ..	99	“Flexible” Bag Drain Stoppers	131, 132	Hospital Baths, Portable ... ..	163
Double-acting Semi-Rotary Pumps ... ..	53a	Flush Pipes, Brass, etc. ... ..	322	Hospital Lavatories ... ..	205 to 208
Double-grooved Manhole Covers ... ..	65	Flushing Cisterns for Water Closets		Hospital Bed Pan Sink ... ..	233
“Double-seal” Inspection Chambers,			313 to 321	Hospital Sinks ... ..	239, 240
Cast-iron ... ..	29, 30	Flushing Grease Gully, Cast-iron ... ..	23	Hospital Scalding Sink ... ..	233
“Double-seal” Inspection Eye Covers		Flushing Grease Gully, Stoneware ... ..	119	Hospital Slop Sink ... ..	234 to 238
and Frames ... ..	74	Flushing Rims for Grease Gully ... ..	23	Hospital Closets ... ..	279
“Double-seal” Manhole Covers ... ..	64	Flushing Syphons, Cast-iron, Drain ... ..	57	Hot-water Cylinders ... ..	332
Double Sockets ... ..	10	Flushing Tanks for Urinals ... ..	130	Hot-water Tanks ... ..	332
Double Socket Pipes, Cast-iron ... ..	2	Folding Lavatories ... ..	191, 192	Hot-water Towel Rails ... ..	181, 182
Drain Access Branches, Cast-iron ... ..	4, 5	Foot Pumps ... ..	136	Housemaids’ Sinks ... ..	250
Drain Branches, Cast-iron ... ..	3	Foot and Shower Baths ... ..	170 to 172	Hydrant Fittings ... ..	149
Drain Chutes ... ..	11	Fresh Air Ventilators ... ..	96 to 98	Hydrant Pipes and Connections ... ..	62

# GENERAL INDEX—Continued.

	PAGE		PAGE		PAGE
"Ideal" Air-test Gauge ... ..	138	Lead Rope ... ..	1	Pedal-action Lavatories ... ..	206 to 208
India-rubber Closet Cones ... ..	323	Lead Traps ... ..	253, 254, 329	Pedal-action Sinks ... ..	239
Indicator for Testing Drains ... ..	130	Lead Wool ... ..	1	Pedestal Latrines ... ..	272 to 276
Infants' School Closets ... ..	308 to 310	"Lever" Locking Stoppers ... ..	106	Pedestal Slop Sinks ... ..	237, 238
Inlet Reducing Pieces, Cast-iron, Drain ... ..	11 to 19	Lift and Force Pumps ... ..	53b	Pedestal Wash-down Closets ... ..	297 to 312
Inlet Ventilators ... ..	96 to 98	Lipped Urinals ... ..	271	Penstocks ... ..	51, 52
Inspection Chamber Bends, Cast-iron, Drain ... ..	28, 29	"Lixall" Glazed Stoneware Drainage Fittings ... ..	107 to 109	"Perfecta" Gully, Glazed Stoneware ... ..	114
Inspection Chambers, Cast-iron, Drain ... ..	30 to 41	Locking Joint for Drain Rods ... ..	142	Petrol Tank Bends, Cast-iron ... ..	25b
Inspection Chambers, Cast-iron, Drain extras ... ..	37	Loose Collars, Cast-iron, Drain ... ..	10	Petrol Tank Bends, Glazed Stoneware ... ..	128
Inspection Eye Covers and Frames ... ..	74	Loose Collars, Cast-iron, Soil ... ..	81	Petroleum Intercepting Tanks ... ..	25b, 128
Inspection Gully, Glazed Stoneware ... ..	115	Louvre Ventilators ... ..	97, 98	Pillar Lavatories ... ..	215, 216
Inspection Pipes, Cast-iron, Drain ... ..	4, 5	<b>Manhole Covers</b> ... ..		Pipe Clips, Brass, Lead, etc. ... ..	322
Inspection Pipes, L.C.C. Soil and Waste ... ..	81	Double-grooved ... ..	65	Pipe Cutters ... ..	1
Inspection Shoes, Cast-iron, Drain ... ..	9	"Double-seal" ... ..	64	Pipe Guards ... ..	330
Inspection Shoes, Glazed Stoneware ... ..	117	Heavy Road ... ..	75 to 79	Pitcher Pumps ... ..	53b
Inspection Shoe Covers and Frames ... ..	9, 72	Locking ... ..	68, 69	Plastic Jointing Material ... ..	66
Intercepting Chambers, Cast-iron, Drain ... ..	41	Recessed Tops ... ..	67	Plug Basins ... ..	226
Intercepting Traps, Cast-iron, Drain ... ..	42 to 46	Rubber Joint ... ..	68	Plugs for Drain Testing ... ..	131 to 133
Intercepting Traps, Glazed Stoneware ... ..	103 to 105	Side Entrance ... ..	72	Plumbers' Brass Work ... ..	324 to 328
Iron Barrel and Fittings ... ..	331	Single-grooved ... ..	66	Plumbers' Melting Pot ... ..	1
Isolated Pedestal Syphonic Latrines ... ..	273 to 275	"Triple-seal" ... ..	63	Plumbers' Unions ... ..	328
<b>Jointing Clip</b> ... ..	1	Ventilating ... ..	70	Porcelain Enamelled Cast-iron Baths ... ..	151 to 163
Junctions, Cast-iron, Drain ... ..	3, 4	Manhole Step-irons ... ..	80	Porcelain Enamelled Cast-iron Lava- tories ... ..	211, 212
Junctions, Closet ... ..	85	Marble Lavatory Ranges ... ..	183, 184	Porcelain Enamelled Fireclay Baths ... ..	161, 162
Junctions, Cast-lead ... ..	330	Marble Lavatories ... ..	185 to 190	Porcelain Enamelled Fireclay Lava- tories ... ..	193 to 206
Junctions, L.C.C. Soil and Waste ... ..	83, 84	"Clarence" ... ..	185	Porcelain Enamelled Fireclay Sinks ... ..	233 to 252
<b>Kitchen Sinks</b> ... ..	241 to 246	"Albany" ... ..	186	Porcelain Enamelled Fireclay Urinals ... ..	257 to 266
Knuckle Bends, Cast-iron, Drain ... ..	7	"Windsor" ... ..	187	Porcelain Enamelled Fireclay Wash Tubs ... ..	249
<b>Laboratory Sinks</b> ... ..	240 to 247	"Portland" ... ..	188	Portable Hospital Baths ... ..	163
Ladders, Wrought-iron ... ..	80	"Crosby" ... ..	189	Post-mortem Operating Table ... ..	231
Ladle, Melting ... ..	1	"Marlborough" Enamelled Cast-iron Bath ... ..	156	"Premier" Canopy Bath ... ..	151
Lamphole Covers ... ..	79	Melting Ladle ... ..	1	"Premier" Inspection Chambers, Cast-iron ... ..	31
Latrines ... ..	272 to 276	Metropolitan Water Board Automatic Flushing Tanks ... ..	129	"Premier" Intercepting Trap, Glazed Stoneware ... ..	104
Lavatories, Polished Marble ... ..	183 to 190	Mica Flap Valves ... ..	97, 98	"Premier" Lever Locking Stopper ... ..	106
Lavatories, Porcelain Enamelled Fire- clay ... ..	193 to 206	Mirrors for Inspecting Drains ... ..	134	"Premier" Smoke Machine ... ..	129
Lavatories, Porcelain Enamelled Cast- iron ... ..	211 to 212	Mirrors, Lavatory ... ..	177	Pumps, Chain Lift ... ..	55
Lavatories, Cabinet ... ..	191, 192	Mixing Valves, Dual ... ..	164, 165	Pumps, Contractors' ... ..	53b
Lavatories, "Crown," Semi-porcelain ... ..	213 to 226	Mortuary Tables ... ..	232	Pumps, Diaphragm ... ..	54
Lavatories, Hospital ... ..	205 to 208	Mud Gullies, Glazed Stoneware ... ..	116	Pumps, Inflating ... ..	136
Lavatories, Slate, in Ranges ... ..	209, 210	"Municipal" Drain Clearing Appliances ... ..	143	Pumps, Pitcher ... ..	53b
Lavatory Floor Channels ... ..	126	<b>Needle Baths</b> ... ..	167	Pumps, Rotary ... ..	53a
Lavatory Mirrors ... ..	177	New River Cisterns ... ..	316 to 319	Pumps, Semi-rotary ... ..	53a
Lavatory Ranges ... ..	193 to 201	Nickel-plated Bath-room Fittings ... ..	168 to 182	Pumps, Sewage ... ..	55
Lavatory Traps ... ..	228	Non-concussive Lavatory Valve ... ..	227	Pumps, Suction and Vacuum ... ..	147
Lavatory Valves and Fittings ... ..	227, 228	<b>Offsets, Cast-iron, Drain</b> ... ..	10	<b>Racks, Towel</b> ... ..	178 to 180
L.C.C. Soil and Waste Fittings ... ..	81 to 88	Offsets, L.C.C. Soil and Waste ... ..	87	Rails, Hot-water Towel ... ..	181, 182
Lead Bends ... ..	329	Ornamental Cast-iron Rainwater Heads ... ..	89 to 91	Rainwater Gully, Cast-iron ... ..	15
Lead Junctions ... ..	330	Overflow Flap Valves ... ..	324	Rainwater Gully, Stoneware ... ..	117
Lead-lined Cisterns ... ..	313	Overflows, Bath ... ..	160	Rainwater Heads ... ..	89, 90
Lead Pipe ... ..	330	<b>Paper Holders</b> ... ..	174, 177	Rainwater Pipes and Connections ... ..	92, 93
		Paper Rolls ... ..	174	Rainwater Shoes, Cast-iron, Drain ... ..	9
		Passovers, L.C.C. Soil and Waste ... ..	86	Rainwater Shoes, Glazed Stoneware ... ..	117
		"Paulton" Enamelled Cast-iron Bath ... ..	150	Raising Pieces for Glazed Stoneware Gullies ... ..	110 to 117
		Pavement Channels ... ..	26		



# GENERAL INDEX—Continued.

	PAGE
Ranges, Fireclay Lavatories	193 to 302
Ranges, Marble Lavatories	183, 184
Ranges, Slate Lavatories	209, 210
Ranges, Isolated Latrines	273 to 275
Ranges, Fireclay Urinals	257 to 262
Ranges, Slate Urinals	207 to 270
Ranges, Wash Tubs	249
Recessed Top Manhole Covers	63 to 67
Reducing Bends, Cast-iron, Drain	6
Reducing Gully Inlets	11
Reflux Valve	49
Releasing Cap, for Drain Stoppers	134
Rest Bends	6, 7
Reverse-action Intercepting Traps, Cast-iron	45
Reverse-action Intercepting Traps, Glazed Stoneware	105
"Reversible Gully" Glazed Stoneware	114
Revolving Post-mortem Tables	231
Rings, Spigot	1
Road Gullies, Cast-iron, Drain	25a to 27
Road Gullies, Glazed Stoneware	118
Road Manhole Covers	75 to 79
Rods, Drain Clearing	142
Roof Syphons, L.C.C. Soil and Waste	86
Rotary-action Pumps	53a
Rubber Cones	323
Rubber Joint Manhole Covers	68
Rust Pocket, Cast-iron, Drain	11
Rust Pocket, Glazed Stoneware	126
<b>S</b> afety Valves	332
Scalding Sinks	233
School Board Pattern Valves	256
School Closets	308 to 310
School Lavatory Ranges	199 to 202
Screw-down Bib Valves	255, 250
Screw-down Lavatory Valves	227
Screw Expanding Drain Stoppers	133
Sealed Bellmouth Gully Tops	18
Seats, Closet	311, 312
Seat Standards and Brackets	311, 312
Self-closing Lavatory Valves	227
Semi-rotary Action Pumps	53a
Sewage Distributors	59 to 61
Sewage Screens	58
Sewer Flushing Fittings	149
Sewer Flushing Syphons	57
Sewer Garments and Boots	148
Sewer Pumping Plants	55
Sewer Purification Plants	56
Sewer Rods and Fittings	144
Sewer Ventilating Shafts	100
Shafts, Sewer Ventilating	100
Shallow Socket Bends, Cast-iron, Drain	6
Shallow Socket Pipes, Cast-iron, Drain	2
Shampooing Apparatus	171, 172
Shoes, Inspection	9, 117
Shoes, Rainwater	9, 117
Shower Bath and Fittings	166 to 172
Shower Bath Curtains	168
Showers, Bracket	168 to 172
Showers, Ceiling	171, 172
Side Entrance Covers	72
Side Outlet Closets	306
"Simplex" Air-test Gauge	137
Single-seal Manhole Covers	66
Sinks, Housemaids' Slop	250
Sinks, Porcelain Enamelled Fireclay	233 to 247
Sinks, Roll Rim	239 to 244
Sinks, Teak	248
Sink Brackets, Cast-iron	251
Sink Drainers	246
Sink Traps, Brass, Cast-iron and Lead	252 to 254

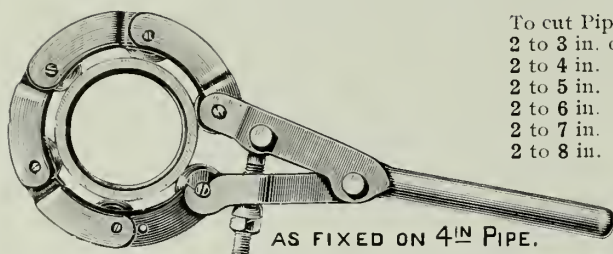
	PAGE
Skeleton Spray Baths	166, 167
Slate Lavatory Ranges	209, 210
Slate Urinals	267 to 270
"Sloane" Enamelled Cast-iron Bath	158
Slop Sinks and Hoppers	233 to 238
Sluice Valves	53
Smell Drain Tests	141
Smoke Generating Machines	139, 140
Smoke Paper for Drain Testing	139, 140
Smoke Rockets	141
Sockets, Blank	10
Sockets, Double	10
Sockets, Flanged	10
Sockets and Sleeves, Brass	324, 326
Soil Pipe Guards	99
Soil and Waste Fittings	81 to 88
Spanners	1
Spigots, Blank	10
Spigots, Flanged	10
Spigot Rings, for Drain Pipes	1
Sponge and Soap Holders	174, 176
Spray and Plunge Baths	151 to 160
Sprinklers for Sewage	59 to 61
Stable Gully, "Adapta" Cast-iron, Drain	14
Stable Gullies, Glazed Stoneware	116
Stable Gully Inlets, Cast-iron, Drain	11
Step-irons, Cast and Wrought-iron	80
Step Ladders, Wrought-iron	80
Stoneware Bends for Petrol Tanks	128
Stoneware Drain Pipes and Fittings	127
Stoneware Flap Valves	120
Stoneware Gullies	110, 121
Stoneware Intercepting Traps	103 to 105
Stop-cock Boxes	71
Stoppers, for Testing Drains	131 to 134
Suction and Vacuum Pumps	147
Street Gullies, Cast-iron	27
Street Gullies, Glazed Stoneware	118
Swan-necks, L.C.C. Soil and Waste	87
Swing Towel Rails	178, 179
<b>T</b> acks, Lead	322
Tanks and Cylinders	332
Tanks, Cast-iron	57
Tanks, Automatic Flushing	129, 130
Taper Bends, Cast-iron, Drain	6, 7
Teak Sinks	248
Teak Water-closet Seats	311, 312
"Tenement" Enamelled Cast-iron Bath	160
Thimbles, Brass, various Patterns	324, 326
Tipping Tanks	130
Tools, Caulking	1
Tooth Brush Holders	173 to 176
Towel Airers and Rails	178 to 182
Towel Baskets	177
Trapless Gully, Cast-iron, Drain	16
Trapless Gully, Glazed Stoneware	116
Traps, Brass	228, 252
Traps, Galvanized and Coated, Cast- iron	253
Traps, Grease, Cast-iron, Drain	24
Traps, Gully, Cast-iron, Drain	19, 20
Traps, Intercepting, Cast-iron, Drain	42 to 46
Traps, Intercepting, Glazed Stoneware	103 to 105
Traps, Lead	253
Traps, L.C.C. Soil and Waste	83
Trap Screws, Brass	327
Treadle-action Lavatories	206 to 208
Treadle-action Sinks	239
"Triple-seal" Manhole Covers	63
Trott's Pattern Bib Valves	250

	PAGE
Trough Latrines	276
Tubes and Fittings, Wrought-iron	331
Tubs, Wash, Porcelain Enamelled Fireclay	249
Tumbler Holders	173 to 175
<b>U</b> nions for Screw Expanding Stoppers	133
Unions, Plumbers'	327, 328
Urinal Floor Channels	126
Urinal Flushing Tanks	130
Urinal Ranges, Fireclay	257 to 262
Urinal Ranges, Slate	267 to 270
Urinals, "Bedford," Lipped	271
Urinals, Single Stall	263 to 266
<b>V</b> alves, Disc	49
Valves, Flap	49
Valves, Hand Flushing	50
Valves, Hand Sewage	49
Valves, Sluice	53
Valves, Reflux	49
Valves, Screw-down, Water	255, 256
Ventilating Manhole Covers and Frames	70
Ventilating Sewer Shafts	100
Ventilators, Air Inlet, etc.	97, 98
<b>W</b> all Fountain	251
Wall Lavatory Basins	222 to 225
Wash Tubs	249
Washers and Grates, Brass	252, 327
Washers and Plugs	252
Washers and Wastes	252
Wash-up Sinks	241 to 248
Wash-down Pedestal Closets	297 to 310
Wash-down Pedestal Closets, with Iron Trap	298
Wash-down Pedestal Closets, with Lead Trap	297
Wash-down Pedestal Closets, with Radial Outlet	302, 308
Wash-down Pedestal Closets, with Side Outlet	304, 306
Waste Connecting Pieces, Glazed Stoneware	120
Waste Gullies, Cast-iron, Drain	25
Water Meter Covers	71
Water Waste Preventers— "Carlyle" No. 1	320
"Carlyle" No. 2	319
"Carlyle" No. 3	318
"Carlyle" No. 4	317
"Empire"	321
"Hercules"	316
"Imperial"	314
"Sloane"	315
"Superla"	313
Water Waste Preventer Brackets	320
"Wellesley" Enamelled Cast-iron Bath	157
Wheel Valves	255
White Glazed Channel Pipes and Connections	122 to 126
Wool, Lead	1
Wrought-iron Automatic Flushing Cisterns	129, 130
Wrought-iron Barrel and Fittings	331
Wrought-iron Cradles	76
Wrought-iron Gratings and Frames	73
Wrought-iron Step Irons	80
Wrought-iron Step Ladders	80
<b>Y</b> ard Gullies, Glazed Stoneware	117, 118
Yard Pumps	53b
Yarn, Caulking	1

# CAST-IRON DRAINAGE FITTINGS.

## TOOLS AND ACCESSORIES.

### PIPE CUTTERS.



AS FIXED ON 4<sup>IN</sup> PIPE.

To cut Pipes.	No. of Wheels.	
2 to 3 in. dia. ...	5 ...	£1 12 6
2 to 4 in. " ...	6 ...	2 0 0
2 to 5 in. " ...	7 ...	2 7 6
2 to 6 in. " ...	8 ...	2 15 0
2 to 7 in. " ...	9 ...	3 2 6
2 to 8 in. " ...	10 ...	3 10 0

Extra Wheels,  
1/9 each.

### WROUGHT-IRON SPIGOT RINGS.

For Shrinking on Cut Ends.



Sizes ... 4 5 6 ins.  
Prices ... 9d. 10d. 1/- each.

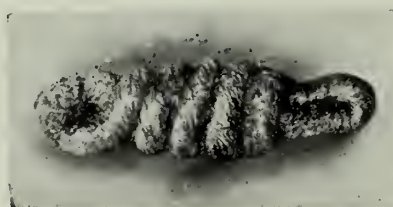
### LEAD ROPE.



Dia. ...  $\frac{1}{4}$   $\frac{5}{16}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$  in.  
For ... 3 4 5 and 6 9 12 in. Pipes.

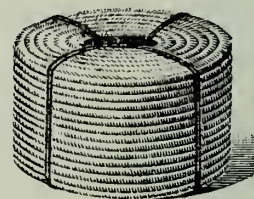
Prices of above quoted on application.

### LEAD WOOL.



A strand of Lead Wool coiled up for transit.

### CAULKING YARN.



Price 40/- per cwt.

### JOINTING CLIP.



The use of this Clip effects a great saving in time and in lead. It can be used during wet weather. The Clip cannot blow off whilst the lead is being poured into the socket, as clay often does. It can be used by an unskilled man, no special knowledge being necessary. It makes a perfect joint, ready for setting up in half the time required when clay is used. The Clip should be damped once or twice a day while in use.

Size of Pipe 2 2 $\frac{1}{2}$  3 4 5 6 7 8 9 10 11 12 in.  
Prices ... 20/- 21/- 22/- 23/- 25/- 26/3 27/9 29/6 32/3 36/- 39/- 42/- ea.

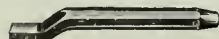
### FIRE DEVILS.



	Dia.	Depth.	PRICES.
No. 1 ...	12 in.	12 in.	19/6 each.
No. 2 ...	13 in.	13 in.	24/- "
No. 3 ...	15 in.	15 in.	27/6 "

If fitted with Screw Hook, 10/6 extra.

### CAULKING TOOLS.



No. 1. Short Flat Ends.  
7 x  $\frac{3}{4}$  in. ... 1/6 each.



No. 2. Medium Flat Ends.  
8 x  $\frac{3}{4}$  in. ... 1/9 each.



No. 3.—Long Flat Ends.  
9 x  $\frac{3}{4}$  in. ... 2/- each.



No. 4.—Central Curved Ends.  
8 $\frac{1}{2}$  x  $\frac{3}{4}$  in. ... 2/3 each.



No. 5.—Right-handed Curved Ends.  
8 $\frac{1}{2}$  x  $\frac{3}{4}$  in. ... 2/6 each.  
Left Hand same price.

### PLUMBERS POT.



Sizes ... 6 7 8 9 10 12 in. dia.  
Prices ... 1/8 2/- 2/7 3/2 5/4 7/3 each.

### MELTING LADLE.



Sizes ... 3 4 5 6 in. dia.  
Prices ... 9d. 1/2 1/9 2/- each.

### DOUBLE-ENDED SPANNER.



Sizes  $\frac{3}{8}$  x  $\frac{1}{2}$  in.  $\frac{1}{2}$  x  $\frac{5}{8}$  in.  
Price 1/3 1/6 each.



# CAST-IRON DRAINAGE FITTINGS.

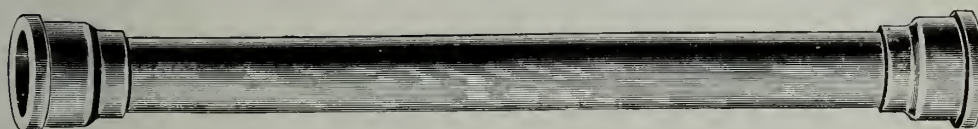
## No. 1 CAST-IRON DRAIN PIPE.



Interior Diameter.				Thickness of Metal.				Weight per 9 ft. Length.			
Size,	2 in.	...	...	...	1 in.	...	...	...	...	...	...
"	* 3 in.	...	...	...	5/16 in.	...	...	...	...	110 lbs.	...
"	4 in.	...	...	...	3/16 in.	...	...	...	...	150 lbs.	...
"	* 4 in.	...	...	...	3/8 in.	...	...	...	...	160 lbs.	...
"	* 5 in.	...	...	...	3/8 in.	...	...	...	...	190 lbs.	...
"	* 6 in.	...	...	...	3/8 in.	...	...	...	...	230 lbs.	...
"	9 in.	...	...	...	1/2 in.	...	...	...	...	420 lbs.	...

\* London County Council Weights.

No.	Sizes, inches ...				2	*3	4	*4	*5	*6	9	12
1	Cast-iron Drain Pipe, in 9 ft. lengths, Coated, per yard				-	3/6	4/6	4 10	6 -	7 -	15 2	22 9
	Do.	do.	6 ft.	" "	2/4	4/1	4/9	5/7	6/9	8 -	19 6	28 3
	Do.	do.	4 ft.	" "	3 -	4/8	5/3	6/4	7/7	9 -	24 3	35/3
	Do.	do.	3 ft.	" "	3 4	5/5	5/8	6/9	8 3	9/8	25 -	38/9
2 SHORT LENGTHS	Cast-iron Drain Pipe, in 24 in. lengths, Coated, each							5 9	7 6	9 6		
	Do.	do.	21 in.	" "				5 6	7 3	9 3		
	Do.	do.	18 in.	" "				5/3	6 9	8 6		
	Do.	do.	15 in.	" "				4 9	6 -	7 6		
	Do.	do.	12 in.	" "				4 3	5 6	6 9		
	Do.	do.	9 in.	" "				4 -	5 -	6 -		
	Do.	do.	6 in.	" "				3 6	4 6	5 3		



EXTRA FOR  
DOUBLE SOCKET PIPES,  
6 ft. LENGTHS.

Sizes	4	5	6	ins.
No. 3	1 6	1 9	2 -	yard

## No. 3 DOUBLE SOCKET PIPE.

## No. 4 SHORT PIECES.

WITH SHALLOW SOCKET FOR CONNECTING TO EARTHENWARE.



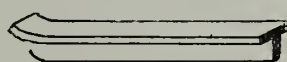
Length, exclusive of Socket, inches ...				6	9	12	15	18	21	24
4 in. diameter (Size of Socket, 5 1/2 x 1 3/4 in.)	...	...	each	3/6	4 -	4/3	4/9	5/3	5/6	5/9
6 in. do. (do. 8 x 1 3/4 in.)	...	...	"	5/3	6 -	6/9	7/6	8/6	9 3	9 6

## CAST AND WROUGHT-IRON BRACKETS AND HANGERS.

(COATED).



No. 6.  
Cast-iron Bracket.



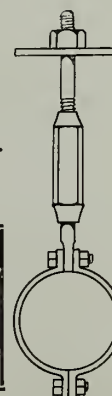
No. 7.  
Wrought-iron Bracket.



No. 8.  
Cast-iron Saddle.

No. 9.  
Wrought-iron  
Clips and Bolts.

No. 9A.  
Hangers.

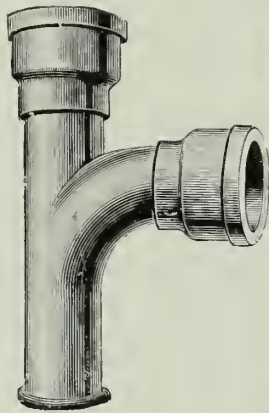


No.	Sizes for Pipes ... inches				3	4	5	6
6	Cast-iron Bracket ... each				1/4	1/6	1/9	2 -
7	Wrought-iron Bracket ... "				-	1/9	2 -	2 6
8	Cast-iron Saddle ... "				-	9d.	1 -	1/3
9	Wrought-iron Clips, with Bolts and Nuts ... "				3/3	3/6	3/9	4 -
9A	Hangers for Wrought-iron Clips, Price according to length.							

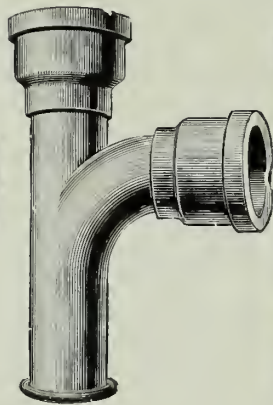


# CAST-IRON DRAINAGE FITTINGS.

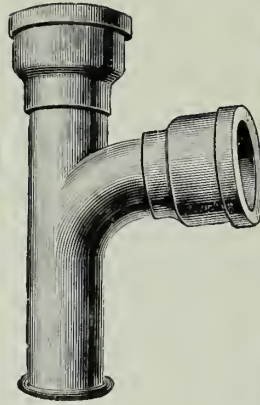
## No. 10 BRANCHES.



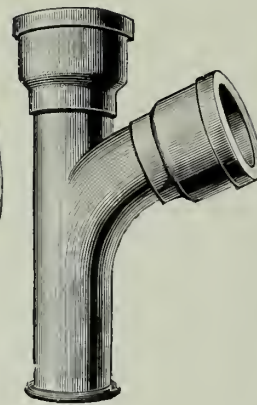
90°



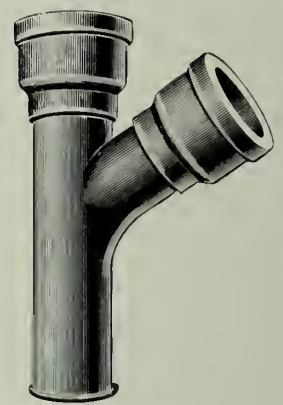
95°



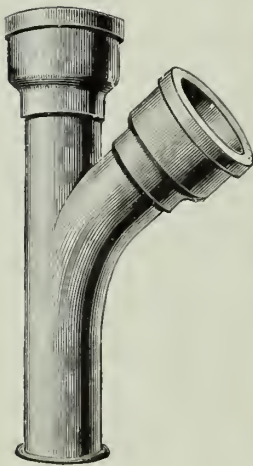
100°



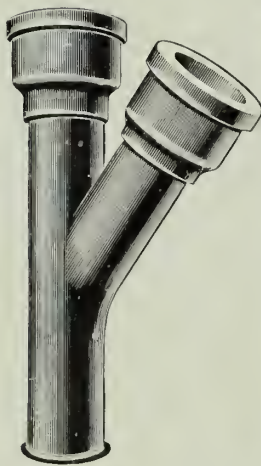
112°



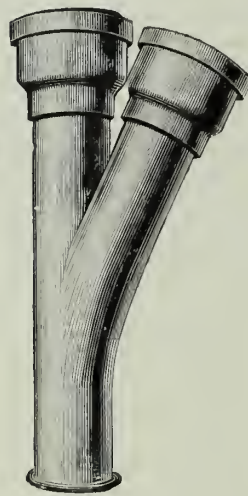
120°



135°



145°



157½°

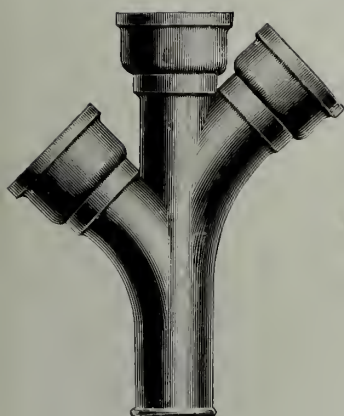
No. 11. Reducing.

No. 12. Double Socket.

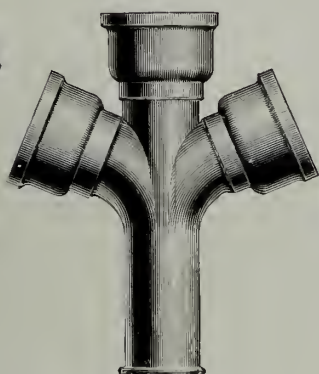
## PRICES (Coated with Dr. Angus Smith's Solution).

No.		Diameter, inches ...	2×2	3×2	3×3	3×4	4×2	4×3	4×4	5×4	5×5	6×4	6×5	6×6
10	BRANCHES AND	90°, 95°, 100°, 112°, 120	5/-	5/6	5/9	7/9	7/9	7/9	7/9	11/-	11/-	15/6	15/6	15/6
		135° ...	—	—	5/9	7/9	7/9	8/3	11/-	12/3	15/6	15/6	16/9	
11	REDUCING BRANCHES.	145° ...	—	—	5/9	7/9	7/9	9/3	11/-	12/-	15/6	15/6	17/6	
		157½° ...	—	—	7/9	9/3	9/3	9/3	14/-	14/-	18/-	18/-	18/9	
12	Double Socket	135° ...	—	—	—	—	—	12/9	—	—	—	—	—	—

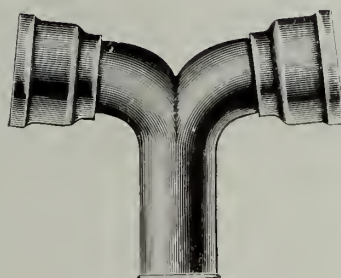
# CAST-IRON DRAINAGE FITTINGS.



No. 13. Double Branch.  
Angle 135° only.



No. 14. Double Branch.



No. 15. Y Branch.



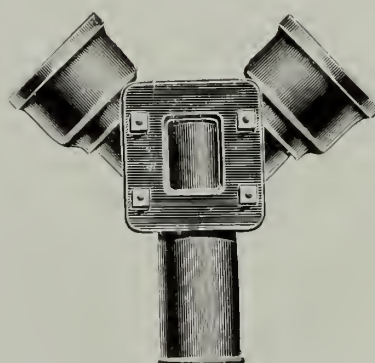
No. 16. Shallow Socket.  
Branch for Stoneware.



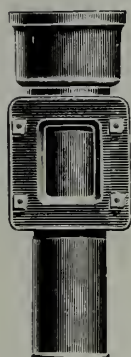
No. 17.

## PRICES (Coated with Dr. Angus Smith's Solution).

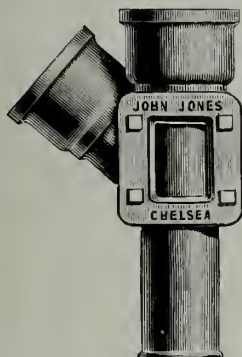
No.	Stock Sizes, inches ...	4×4 only
13	Double Branch, 135° ... each	16/9
14	Do. do. 90°, 95°, 112°, 135° ...	13/6
15	"Y" Branch, 90°, 95°, 112°, 135° ...	9/-
16	Shallow Socket Branch, all Angles as No. 10	9/6
17	Access Plate, Bridle, and Screw, Extra on No. 10 Branches ...	5/3



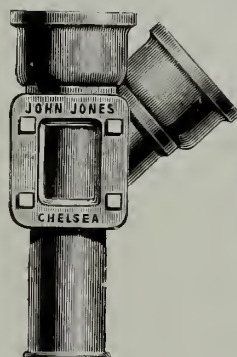
No. 20G.



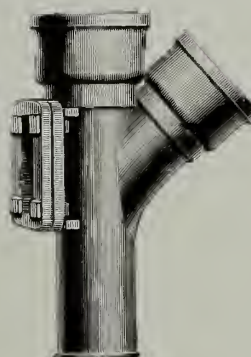
No. 20.



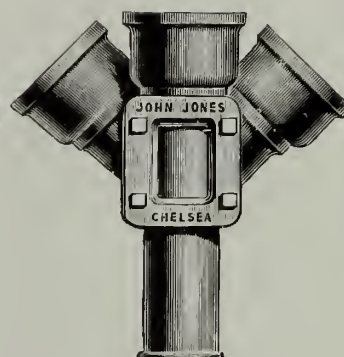
No. 20A.



No. 20B.



No. 20C.



No. 20F.

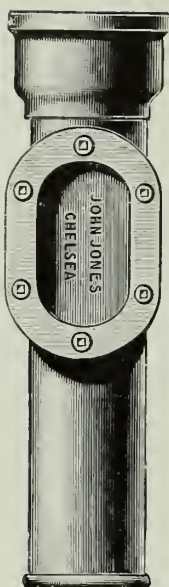
## PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches ...	3×3	4×4	5×4	5×5	6×4	6×6
20	Access Pipe, with Cover, Galvanized Bolts and Gun-metal Nuts and Prepared Felt Washer each	—	14/-	—	17/3	—	20/3
20A, 20B, and 20C	Access Branch, with do., Angles, 90°, 95°, 100°, 112°, 120°, 135°, 145°, and 157½° ...	—	17/-	21/3	22/-	25/-	26/-
20F	Double Access Branch and do. ...	—	20/3	—	—	—	—
20G	"Y" Access Branch and do. ...	—	17/3	—	—	—	—

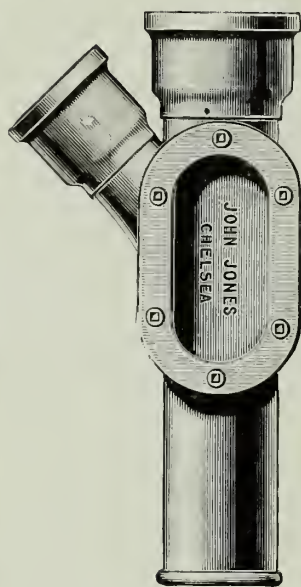


# CAST-IRON DRAINAGE FITTINGS.

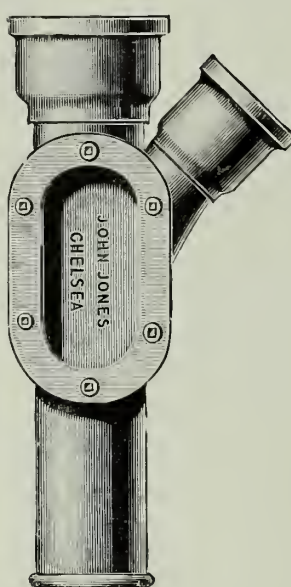
## ACCESS BRANCHES.



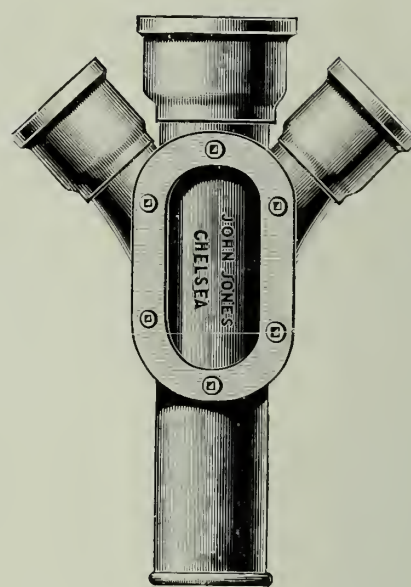
No. 21.



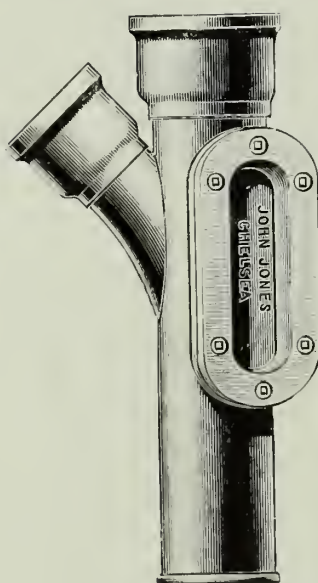
No. 21A.



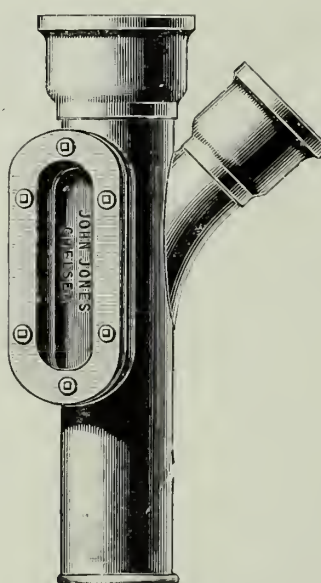
No. 21B.



No. 21F.

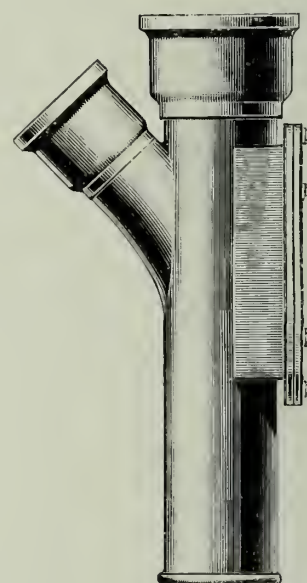


No. 21D.



No. 21E.

Access Door on Side.



No. 21C.

Access Door at Back.

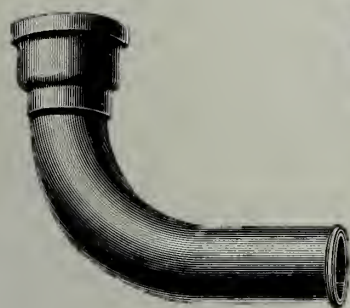
### PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches	...	...	3×3	4×4	5×4	5×5	6×4	6×6
21	Access Pipe, with Cover, Gun-metal Set Screws and Prepared Felt Washer	...	each	18/9	21/3	—	25/-	—	28/9
21A, 21B, 21C, 21D, and 21E	Access Branch, with Cover, Gun-metal Set Screws and Prepared Felt Washer	...	...	—	30/9	38/6	38/6	48/-	48/-
21F	Double Access Branch and do.	...	...	—	41/3	—	—	54/9	—

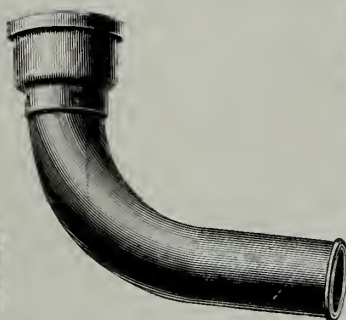


# CAST-IRON DRAINAGE FITTINGS.

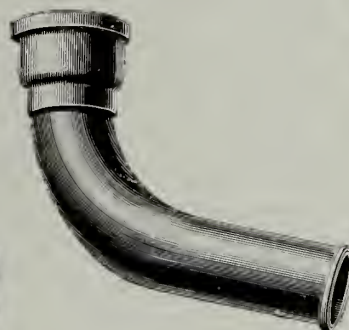
## NO. 22. LONG BENDS.



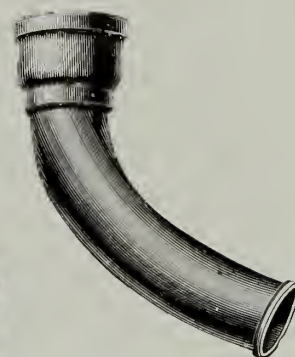
90°



95°



100°



112°



120°



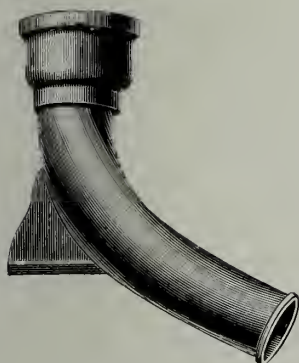
135°



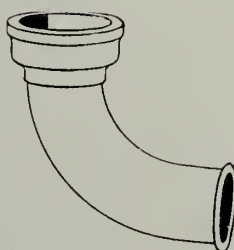
145°



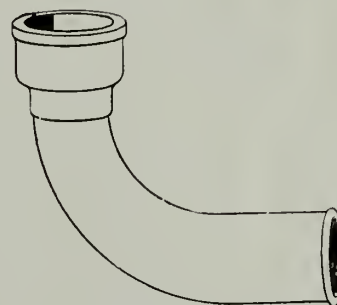
157 1/2°



No. 23. Rest Bend.



No. 24. Bend for Earthenware,  
Socket  $5\frac{1}{2} \times 1\frac{3}{4}$  in.  
No. 24A. Do., do.,  $6\frac{3}{8} \times 2$  in.



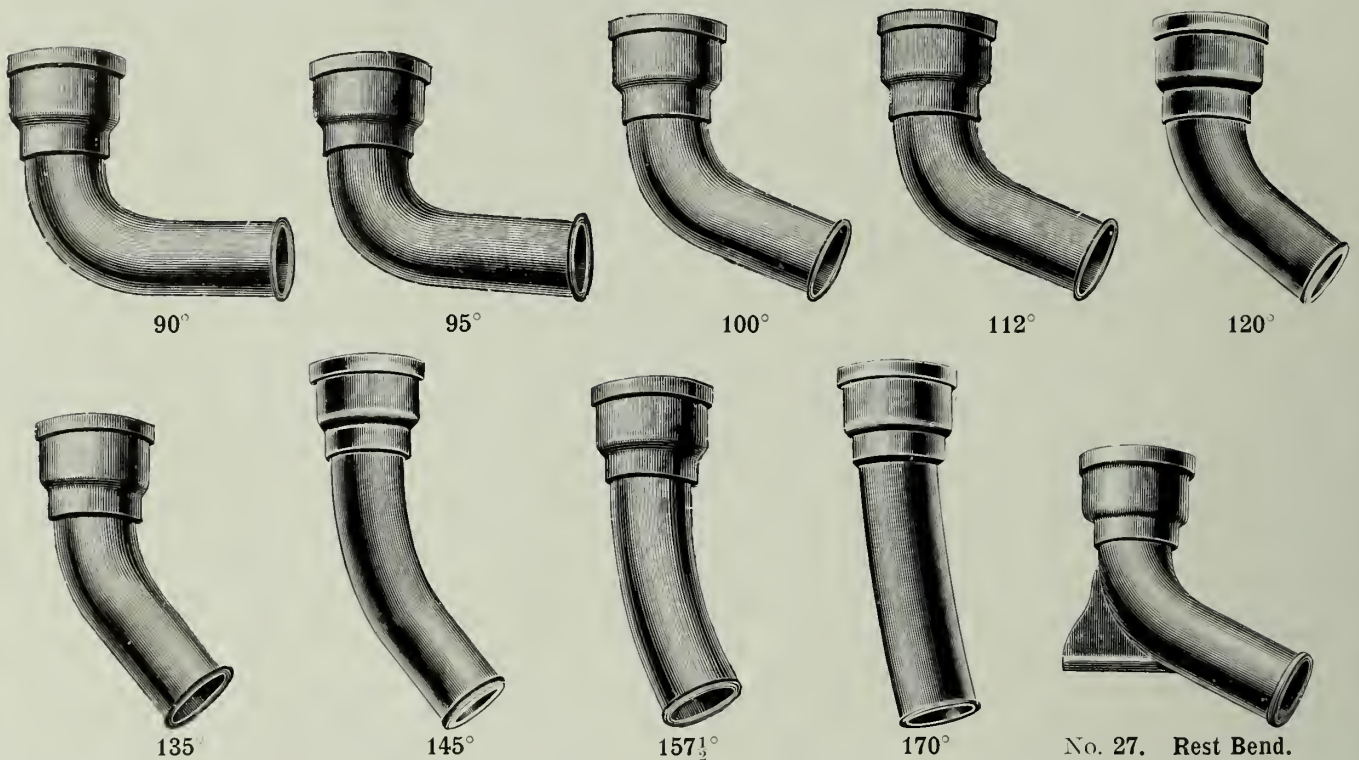
No. 25. Taper Bend.

### PRICES (Coated with Dr. Angus Smith's Solution).

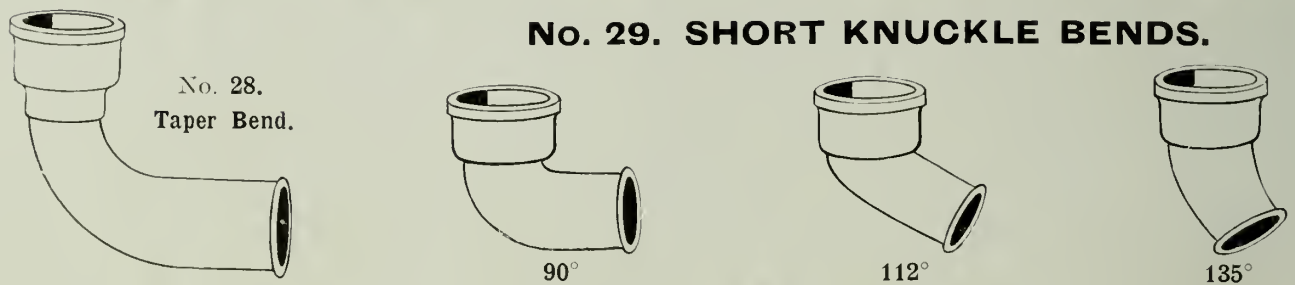
No.	Diameter, inches ... ..	2	3	4	5	6
22	Long Bends, Angles as shewn ... each	3/3	4/6	5/9	7/3	11/3
23	Rest Bend, Angles as shewn, Extra to above	1/-	1/3	1/6	2/6	2/9
24	Bend for Earthenware, Socket $5\frac{1}{2} \times 1\frac{3}{4}$ in. all Angles ... ..	—	—	4/9	—	—
24A	Do., do., $6\frac{3}{8} \times 2$ in., all Angles ...	—	—	4/9	—	—
25	Taper Bends, $92\frac{1}{2}^\circ$ ... .. $3 \times 4$ in., 8/6 ... $4 \times 5$ in., 9/9 ... $4 \times 6$ in., 11/3	...	...	...	...	...

# CAST-IRON DRAINAGE FITTINGS.

## No. 26. SHORT BENDS.

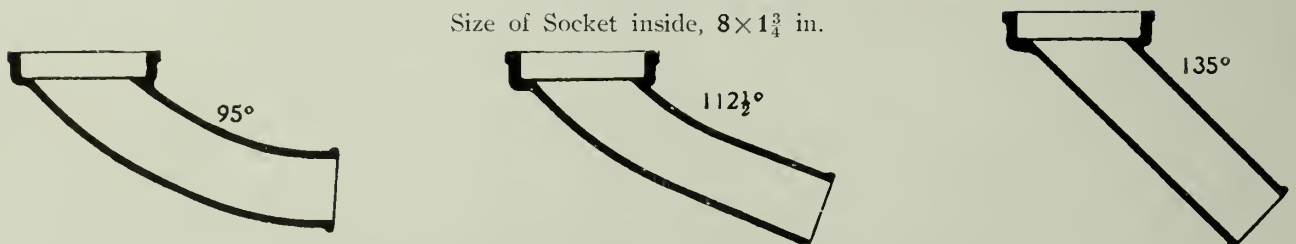


## No. 29. SHORT KNUCKLE BENDS.



## No. 30. CLEARING ARM BENDS.

Size of Socket inside,  $8 \times 1\frac{3}{4}$  in.



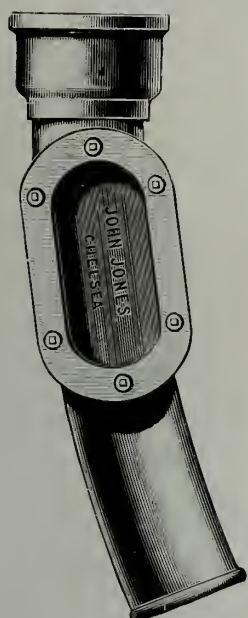
PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches ...	...	2	3	4	5	6
26	Short Bends, Angles as shewn	... each	3/-	4/-	4/9	6/6	9/9
27	Rest Bends, Angles as shewn, Extra to above		1/-	1/3	1/6	2/6	2/9
28	Taper Bend, 92½° ...	... 3×4 in., 6/9	...	4×5 in., 7/9	...	4×6 in., 9/-	
29	Short Knuckle Bends, Angles as shewn	...			3/3		
30	Clearing Arm Bends, as shewn	...			7/9		

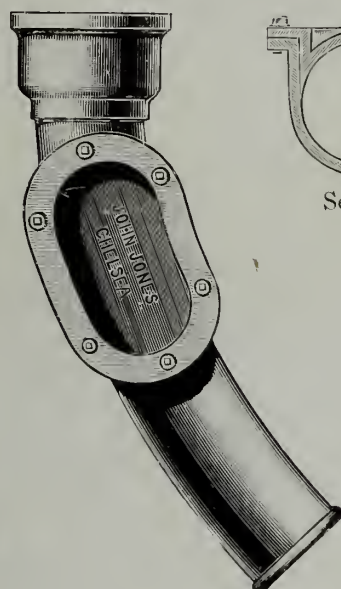


# CAST-IRON DRAINAGE FITTINGS.

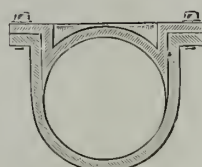
## ACCESS BENDS.



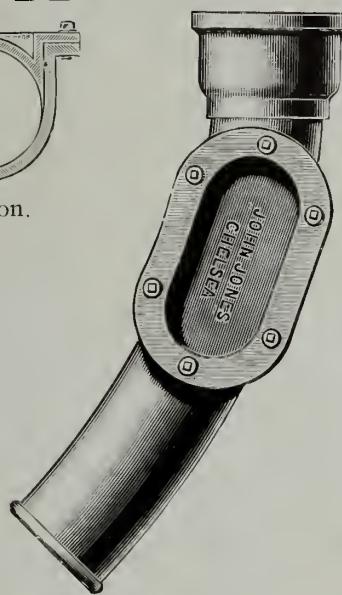
No. 31.  $\frac{1}{16}$  of Circle.



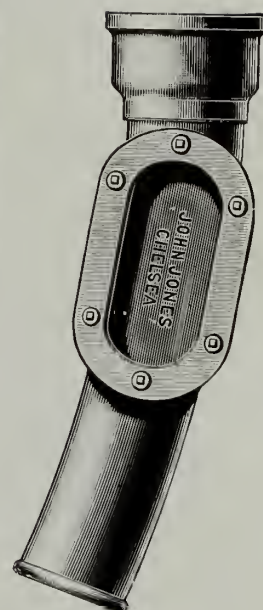
No. 31A.  $\frac{1}{8}$  of Circle.



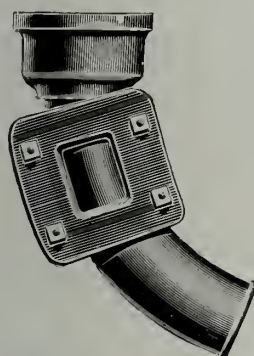
Section.



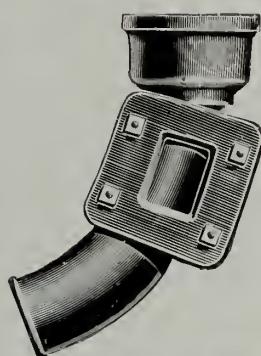
No. 31B.  $\frac{1}{8}$  of Circle.



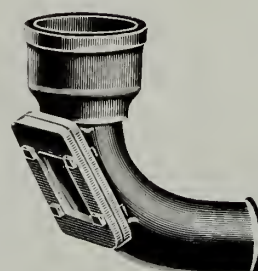
No. 31C.  $\frac{1}{16}$  of Circle.



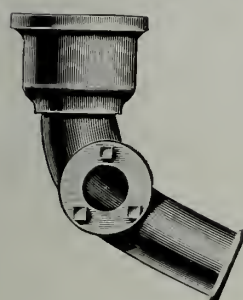
No. 32.



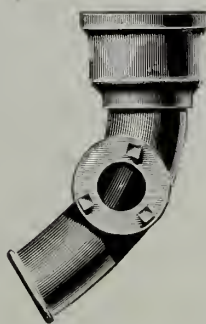
No. 32A.



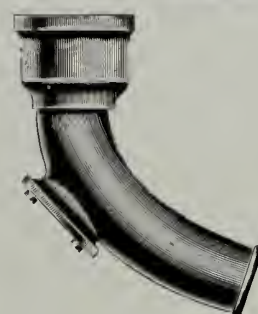
No. 32B.



No. 33.



No. 33A.



No. 33B.

Access Bends.—Nos. 32, 32A, 32B, 33, 33A, 33B, stocked in following Angles,  $90^\circ$ ,  $95^\circ$ ,  $112\frac{1}{2}^\circ$ ,  $120^\circ$ ,  $135^\circ$ ,  $145^\circ$ ,  $157\frac{1}{2}^\circ$ .

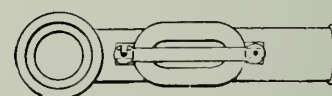
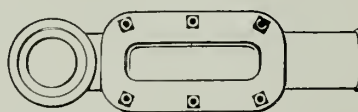
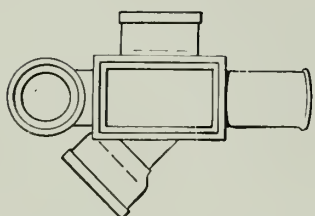
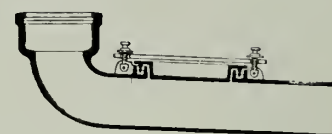
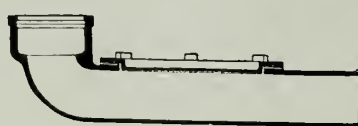
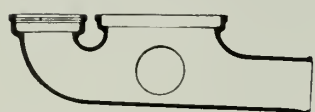
### PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches ...	2	3	4	5	6
31, 31A, 31B, 31C	Access Bend, with Cover, Gun-metal Set Screws and prepared Felt Washer ... (Angles as shewn.)	—	—	26/9	30/9	34/9
32, 32A, 32B	Access Bend, with Cover, Galvanized Bolts and Gun-metal Nuts and prepared Felt Washer	—	—	14/9	19/3	23/3
33, 33A, 33B	Access Bend, with Cover fixed by 3 Brass Set Screws and Washer ...	7/6	8/3	9/6	11/9	15/9



# CAST-IRON DRAINAGE FITTINGS.

## RAINWATER AND INSPECTION SHOES.

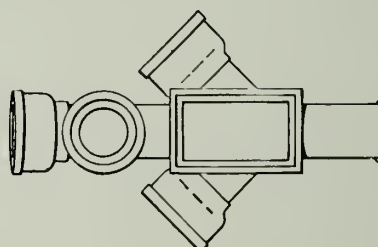
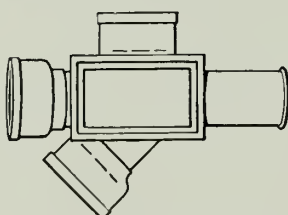
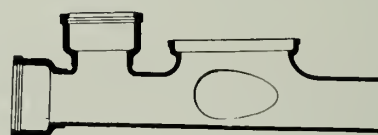
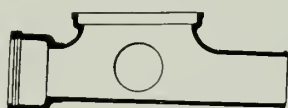


No. 35A. With Bolted Top Cover.

No. 35B. With Patent Bridge Fastening and Gun-metal Nuts.

(Plan shewing how Inlets can be arranged).

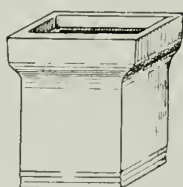
No. 35. Rainwater Shoe.



(Plan shewing how Inlets can be arranged).

No. 36. Inspection Shoe.

No. 36A. With Special Vertical Inlet.



No. 37.  
Rectangular Raising Piece.

No. 38.  
Cover and Frame.

No. 39.  
Grating and Frame.

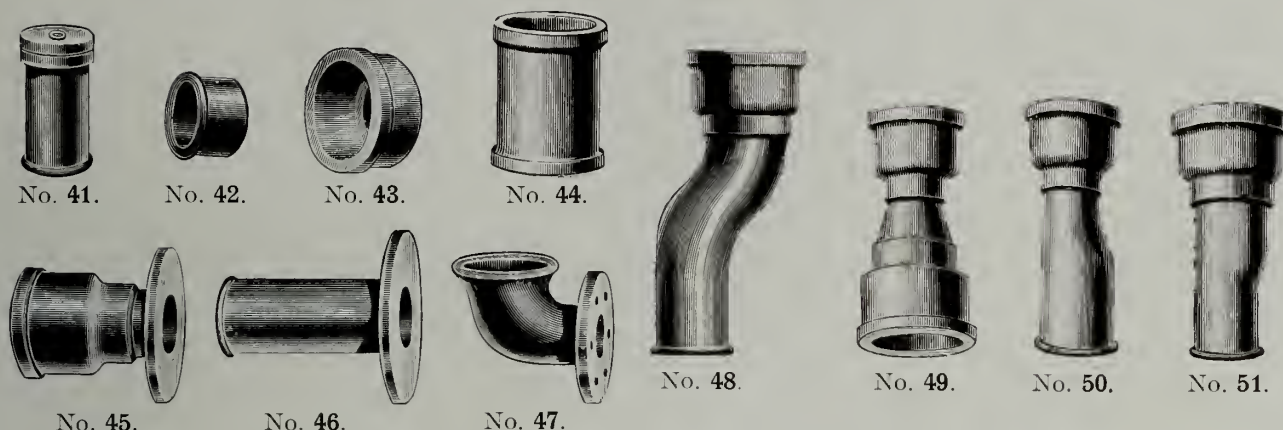
No. 40.  
Grating.

### PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches ... ..				3	4	5	6	
35	Rainwater Shoe, with Rebated Top for Cover or Grating ... ..				7/9	8/3	—	20/6	
35A	Do. with Bolted Cover and Washer ... ..				—	16/6	—	—	
35B	Do. with Patent Bridle Fastening and Gun-metal Nuts with Washer ... ..				—	24/-	—	—	
36	Inspection Shoe, with Rebated Top for Cover or Grating ... ..				—	8/3	—	—	
36A	Do. and Special Vertical Inlet ... ..				—	23/6	—	—	
	Extra for Branch Inlets cast on 90°, 95°, 112°, or 135° ... ..				—	7/6	—	—	
	Height, inches ... ..				3	4½	6	9	12
37	Rectangular Raising Piece, for No. 35 or No. 36 Shoes (Stocked in 4 in. size only). Price each ... ..				3/6	4/3	4/6	6/-	7/6
38	Cover and Frame ... ..					Coated.	Galvanized.		
38A	Do. fitted with Two Gun-metal Screws ... ..					2/9	4/-		
39	Grating and Frame ... ..					4/9	6/3		
39A	Do. fitted with Two Gun-metal Screws ... ..					2/-	3/3		
40	Grating ... ..					4/-	5/6		
						1/-	1/9		

For further Patterns of COVERS and FRAMES, see Page 70.

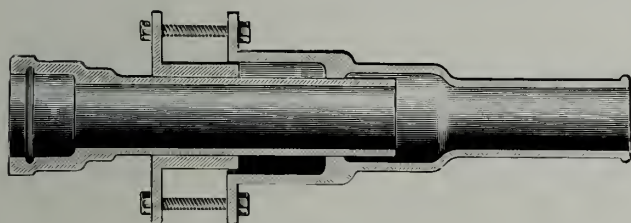
## CAST-IRON DRAINAGE FITTINGS.



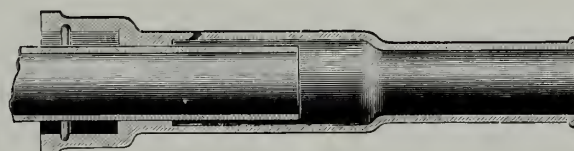
### PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches ... ..					2	2½	3	3½	4	5	6
41	Cast-iron Ferrule, with Brass Screw Cap ...					5/6	6/3	7/6	8/-	8/6	14/9	16/9
42	Blank Spigot ... ..					5d.	—	10d.	—	1/-	2/-	2/-
43	Blank Socket ... ..					1/6	—	2/-	—	2/3	3/3	4/-
44	Double Socket ... ..					2/-	—	2/6	—	3/-	4/-	5/6
45	Flanged Socket, Machined, Faced and Drilled					—	—	6/9	—	9/3	12/9	14/9
46	Flanged Spigot, do. do. ...					—	—	5/3	—	7/6	10/6	12/9
47	Flanged Elbow, with Trumpet Mouth ...					—	—	8/3	—	9/9	—	—
48	Drain Pipe Offsets, 3 in. projection ...					—	—	5/3	—	5/9	7/6	10/6
	Do.	4½	in.	„	...	—	—	5/9	—	6/6	8/-	11/-
	Do.	6	in.	„	...	—	—	6/6	—	7/-	8/3	12/3
	Do.	9	in.	„	...	—	—	7/6	—	8/-	9/-	13/-
	Do.	12	in.	„	...	—	—	8/3	—	8/6	10/-	14/-
	Sizes, inches ... ..								4×3	5×4	6×4	6×5
49	Enlarging Pipe, Double Socket ... ..								7/-	8/-	10/-	10/6
50	Do. Socket and Spigot ... ..								4/9	5/9	7/6	8/6
51	Diminishing Pipe do. ... ..								4/9	5/9	7/6	8/6

## CAST-IRON EXPANSION JOINTS.



No. 52.



No. 53.

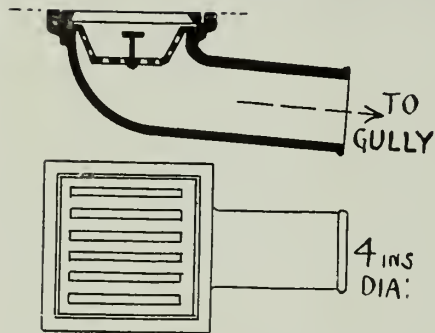
**Improved Expansion Joints** to be used in lengths of Drain where large quantities of hot water are passing through. The Joint can be made with Asbestos Rings or other Jointing material, or can be caulked with Metallic Lead.

### PRICES.

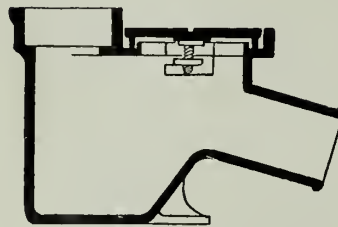
No.	Dia., inches ...	4	5	6
52	Expansion Joint ...	107/-	153/-	202/3
53	Do. do. ...	90/6	134/-	180/3

Asbestos Rings not included, and can only be supplied to order.

# CAST-IRON DRAINAGE FITTINGS.



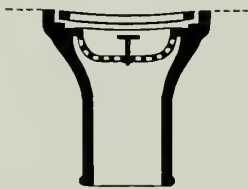
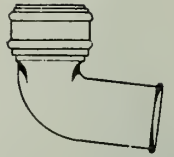
No. 54. Stable Gully Inlet, Flat Top.  
No. 54A. Do. do. Curved Top.



No. 55. Rust Pocket,  
For Ventilating Shafts.  
No. 55A. As above.  
H.M.O.W. Pattern.



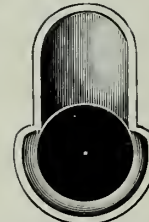
No. 56. Straight. No. 57. Bent.  
Square to Round Connections.  
Stock Patterns, 4×3 to 4 in. dia.  
Special Sizes to order.



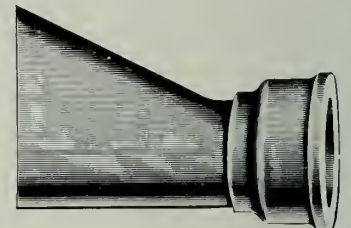
No. 54B. Straight Stable Inlet, Flat Top.  
No. 54C. Do. do. Curved Top.



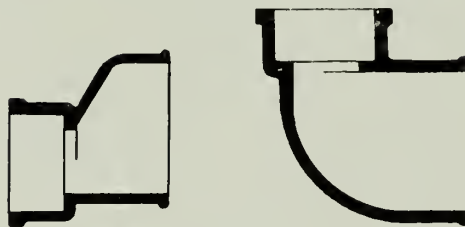
No. 58.



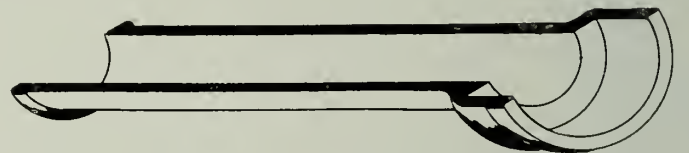
DRAIN CHUTES.



No. 59.



No. 60. No. 61.  
Cast-iron Reducing Gully Inlets.



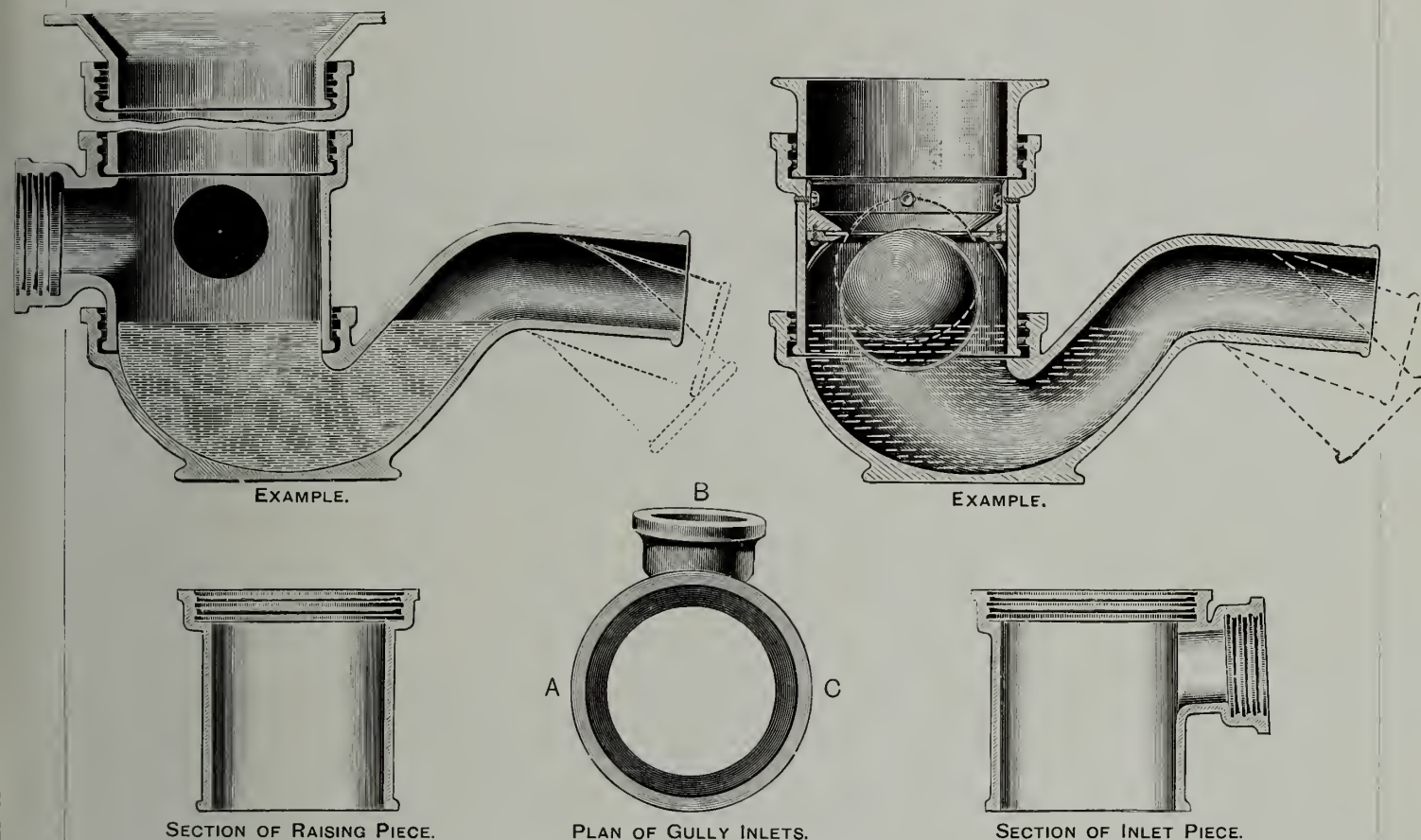
No. 62. Cast-iron Half-round Channels.  
Coated with Dr. Angus Smith's Solution, or  
White Porcelain Enamelled inside.

## PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches						...	...	...	4				
54	Stable Elbow, including Perforated Basket and Grating ...						...	...	...	11/-				
55	Rust Pocket, with Locking Access Cover ...						...	...	...	21/6				
55 <sub>A</sub>	Do.	do.	do.	H.M.O.W. Pattern			..	...	...	28/6				
56	Straight, Square to Round Connection, 4×3 to 4 in. dia.						...	...	...	3/9				
57	Bent,	do.	do.	do.	...	...	...	...	...	8/-				
	Diameter, inches						...	...	4	5	6			
58	Drain Chute (Outlet End)		Coated	...	...	...	...	5/9	7/9	9/3				
			White Enamelled	...	...	...	...	12/6	17/-	20/6				
59	Do. (Inlet End)		Coated	...	...	...	...	6/9	8/3	10/-				
			White Enamelled	...	...	...	...	14/6	18/-	22/-				
	Sizes, inches						...	...	2×4	2½×4	3×4	3½×4		
60	Reducing Gully Inlet, Straight						...	...	...	...	1/4	1/6	1/7	1/9
61	Do. Bent						...	...	...	...	2/4	2/6	2/7	2/9
62	Cast-iron Half-round Channels, Coated.						Do., White Enamelled Inside.							
	Effective Length	18	24	30	36	42	18	24	30	36	42	ins.		
	4 in diameter	2/10	5/6	4/4	5/2	6/-	5/4	6/10	8/6	10/2	11/10	each		
	5 in "	3/2	4/-	5/-	6/-	7/-	6/2	8/-	10/-	12/-	14/-	"		
	6 in. "	4/-	5/-	6/-	7/-	8/-	7/6	9/8	12/-	14/-	16/3	"		



# CAST-IRON "ADAPTA" GULLIES.



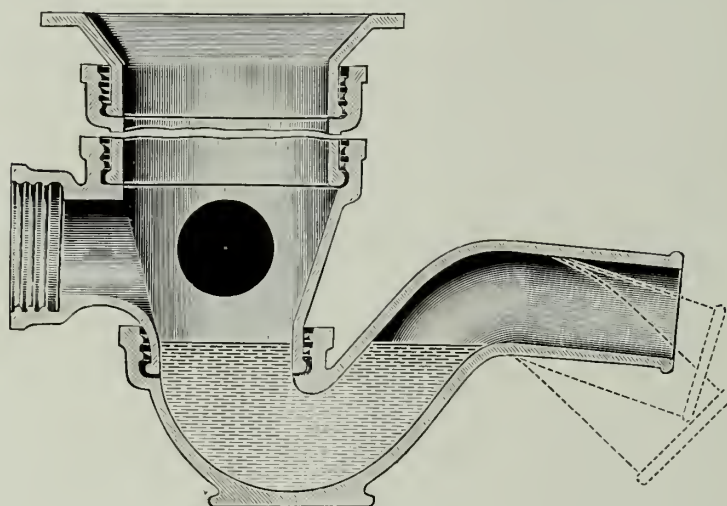
## PRICES (Coated with Dr. Angus Smith's Solution).

No.									Each.
70	Top Piece,	12 in. by 12 in. square, with 9 in. dia. Spigot	...	3 in. high	...	4/9			
70A	"	12 in. " 12 in. " 9 in. "	...	6 in. " "	...	7/9			
70B	"	9 in. " 9 in. " 9 in. "	...	3 in. " "	...	3/9			
70C	"	9 in. " 9 in. " 9 in. "	...	6 in. " "	...	4/9			
71	Raising Piece,	9 in. dia. ...	...	4 in. high	...	3/9			
71A	"	9 in. " ...	...	8 in. " "	...	6/3			
71B	"	9 in. " ...	...	12 in. " "	...	8/3			
73	Inlet Piece,	9 in. dia. ...	...	1 Inlet	...	10/-			
74	"	9 in. " ...	...	2 " 90°	...	10/9			
75	"	9 in. " ...	...	2 " 180°	...	10/9			
76	"	9 in. " ...	...	3 " "	...	11/9			
77	Gully Trap,	9 in. dia. with 4 in. Outlet—	Angles, No. 77, 95°, No. 77A, 112°, and No. 77B, 135°				13/3		
78	"	9 in. dia. with 6 in. Outlet—	Angles, No. 78, 95°, No. 78A, 112°, and No. 78B, 135°				18/9		
72	Cast-iron Anti-flood Piece, with Seating and Copper Ball complete	8 in. high					23/6		
72A	"	12 in. "					25/3		

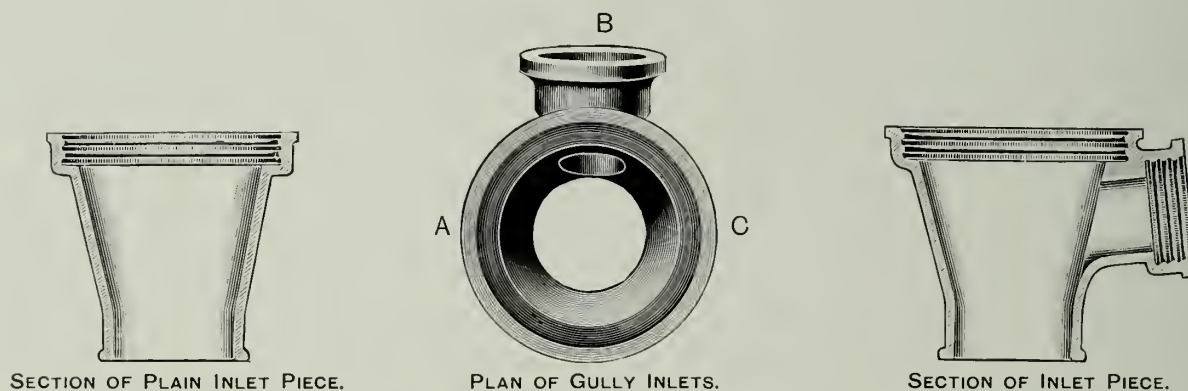
THESE "ADAPTA" GULLY FITTINGS CAN ALSO BE SUPPLIED GLASS ENAMELLED INSIDE.

For CAST-IRON and WROUGHT-IRON GRATINGS, see page 71.

# CAST-IRON "ADAPTA" GULLIES.



EXAMPLE.



SECTION OF PLAIN INLET PIECE.

PLAN OF GULLY INLETS.

SECTION OF INLET PIECE.

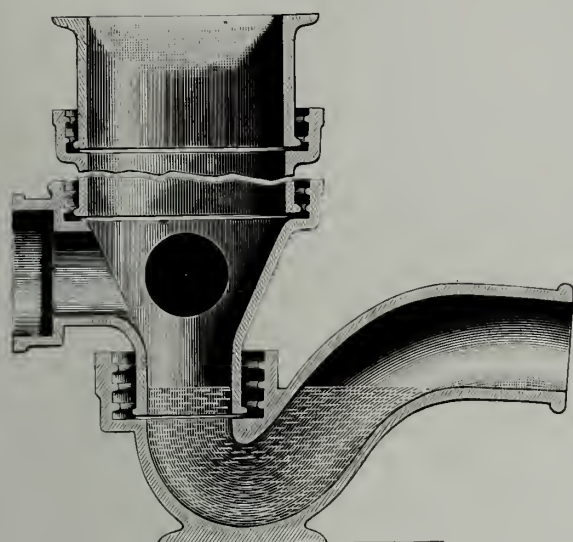
## PRICES (Coated with Dr. Angus Smith's Solution).

No.									Each.
70	Top Piece,	12 in. by 12 in. square,	with 9 in. dia. Spigot	...	3 in. high	...			4/9
70A	"	12 in. " 12 in. "	9 in. "	...	6 in. "	...			7/9
70B	"	9 in. " 9 in. "	9 in. "	...	3 in. "	...			3/9
70C	"	9 in. " 9 in. "	9 in. "	...	6 in. "	...			4/9
71	Raising Piece,	9 in. dia.	...	...	4 in. high	...			3/9
71A	"	9 in. "	...	...	8 in. "	...			6/3
71B	"	9 in. "	...	...	12 in. "	...			8/3
82	Inlet Piece,	9 in. dia., with 6 in. dia. Spigot	...	...	Plain	...			4/9
83	"	9 in. " 6 in. "	...	...	1 Inlet	...			9/9
84	"	9 in. " 6 in. "	...	...	2 " 90°	...			13/3
85	"	9 in. " 6 in. "	...	...	2 " 180°	...			13/3
86	"	9 in. " 6 in. "	...	...	3 " "	...			16/6
87	Gully Trap,	6 in. dia., with 4 in. Outlet—							
		Angles, No. 87, 95°, No. 87A, 112°, No. 87B, 135°	...						13/9
88	"	6 in. dia., with 6 in. Outlet—							
		Angles, No. 88, 95°, No. 88A, 112°, No. 88B, 135°	...						15/6

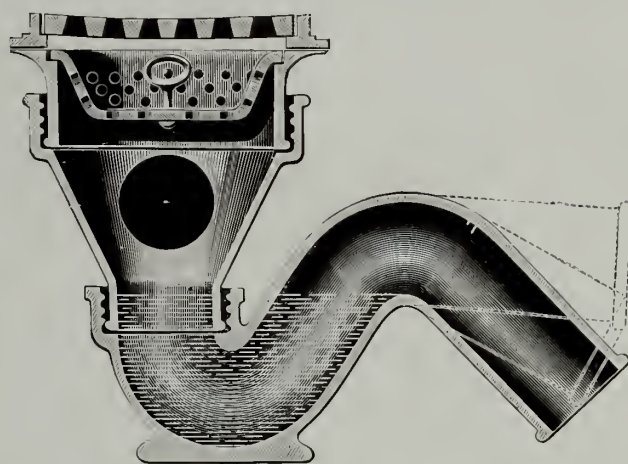
THESE "ADAPTA" GULLY FITTINGS CAN ALSO BE SUPPLIED GLASS ENAMELLED INSIDE.

For CAST-IRON and WROUGHT-IRON GRATINGS, see page 71.

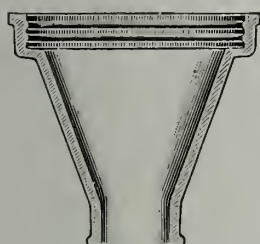
# CAST-IRON "ADAPTA" GULLIES.



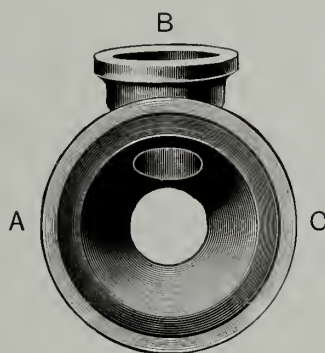
EXAMPLE.



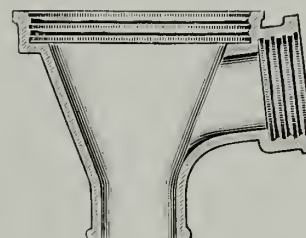
EXAMPLE.



SECTION OF PLAIN INLET PIECE.



PLAN OF GULLY INLETS.



SECTION OF INLET PIECE.

## PRICES (Coated with Dr. Angus Smith's Solution).

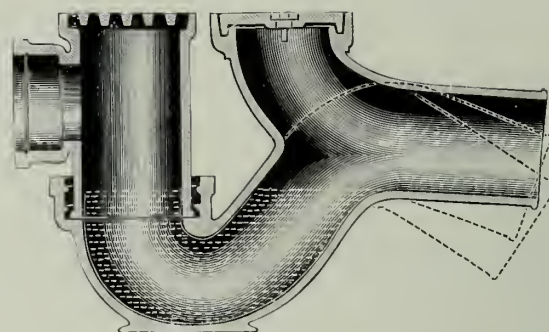
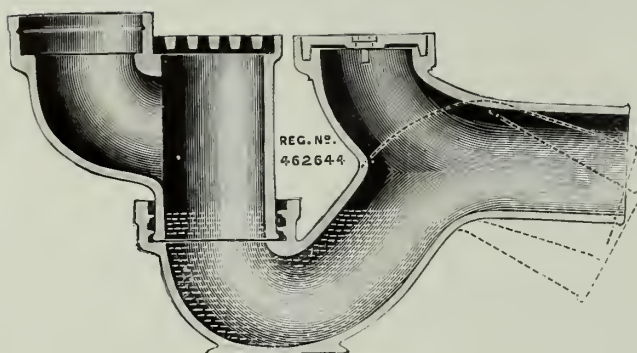
No.									Each.
70	Top Piece,	12 in. by 12 in. square,	with 9 in. dia. Spigot	...	...	3 in. high	...		4/9
70A	"	12 in. " 12 in. "	9 in. " "	...	...	6 in. " "	...		7/9
70B	"	9 in. " 9 in. "	9 in. " "	...	...	3 in. " "	...		3/9
70C	"	9 in. " 9 in. "	9 in. " "	...	...	6 in. " "	...		4/9
70D	"	9 in. " 9 in. "	4 in. " "	...	...	12 in. " "	...		9/3
70E	"	9 in. " 9 in. "	4 in. " (Locking Grating)	...	...	12 in. " "	...		11/3
71	Raising Piece,	9 in. dia.	...	...	...	4 in. high	...		3/9
71A	"	9 in. "	...	...	...	8 in. "	...		6/3
71B	"	9 in. "	...	...	...	12 in. "	...		8/3
92	Inlet Piece,	9 in. dia. with 4 in. Spigot	...	...	...	Plain	...		4/9
93	"	9 in. " 4 in. "	...	...	...	1 Inlet	...		8/9
94	"	9 in. " 4 in. "	...	...	...	2 " 90°	...		9/9
95	"	9 in. " 4 in. "	...	...	...	2 " 180°	...		9/9
96	"	9 in. " 4 in. "	...	...	...	3 " "	...		10/9
97	Gully Trap,	4 in. dia. with 4 in. Outlet	...	...	...	95°	...		6/6
98	"	4 in. " 4 in. "	...	...	...	112°	...		6/6
99	"	4 in. " 4 in. "	...	...	...	135°	...		6/9
100	"	4 in. " 4 in. "	...	...	...	180°	...		7/3
275	Stable Basket, with Handle	...	...	...	...	Coated.	Each 2/9	Galvanized.	4/9
276	Cast-iron Grid and Frame	...	...	...	...	"	3/6		5/9
277	Cast-iron Hinged Grid and Frame	...	...	...	...	"	3/9		6/-

THESE "ADAPTA" GULLY FITTINGS CAN ALSO BE SUPPLIED GLASS ENAMELLED INSIDE.

For CAST-IRON and WROUGHT-IRON GRATINGS, see page 71.



# CAST-IRON "ADAPTA" GULLIES.



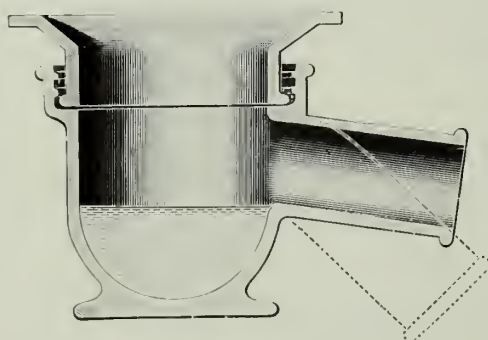
PRICES (Coated with Dr. Angus Smith's Solution).

No.		Each.
101	Top Piece, including Grating, Plain ...	3/9
102	Do. do. with 1 Vertical Inlet, 2, 3 or 4 in. Socket ...	5/9
103	Do. do. with 1 Vertical Inlet, and L or R Side Inlet ...	7/3
104	Do. do. with 1 Vertical Inlet and 2 Side Inlets ...	8/3
105	Do. do. with 2 Vertical Inlets, 3 or 4 in. Sockets ...	11/9

No.		Each.
106	Top Piece, including Grating, Plain ...	3/9
107	Do. do. 1 Inlet ...	4/9
108	Do. do. 2 Inlets, 90° ...	7/6
109	Do. do. 2 „ 180° ...	7/6
110	Do. do. 3 „ ...	8/-

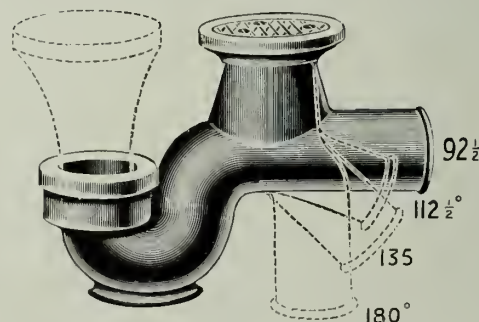
No.		Each.
No. 97. 95°, or No. 98, 112°.	Gully Traps, Plain, for above ...	6/6
„ 99. 135°, or No. 100, 180°.	Do. do. ...	7/3
„ 97A. 95°, or No. 98A, 112°.	Do. with Access, as illustrated ...	10/9
„ 99A. 135°, or No. 100A, 180°.	Do. do. ...	11/3
Extra for Cover and Frame, Coated, instead of Grating ...		1/-
„ Plate, Two Gun-metal Screws and Washer ...		2/9

## TRAPLESS GULLY.



EXAMPLE.

## ACCESS GULLY TRAP, FOR BELL-MOUTH TOPS.



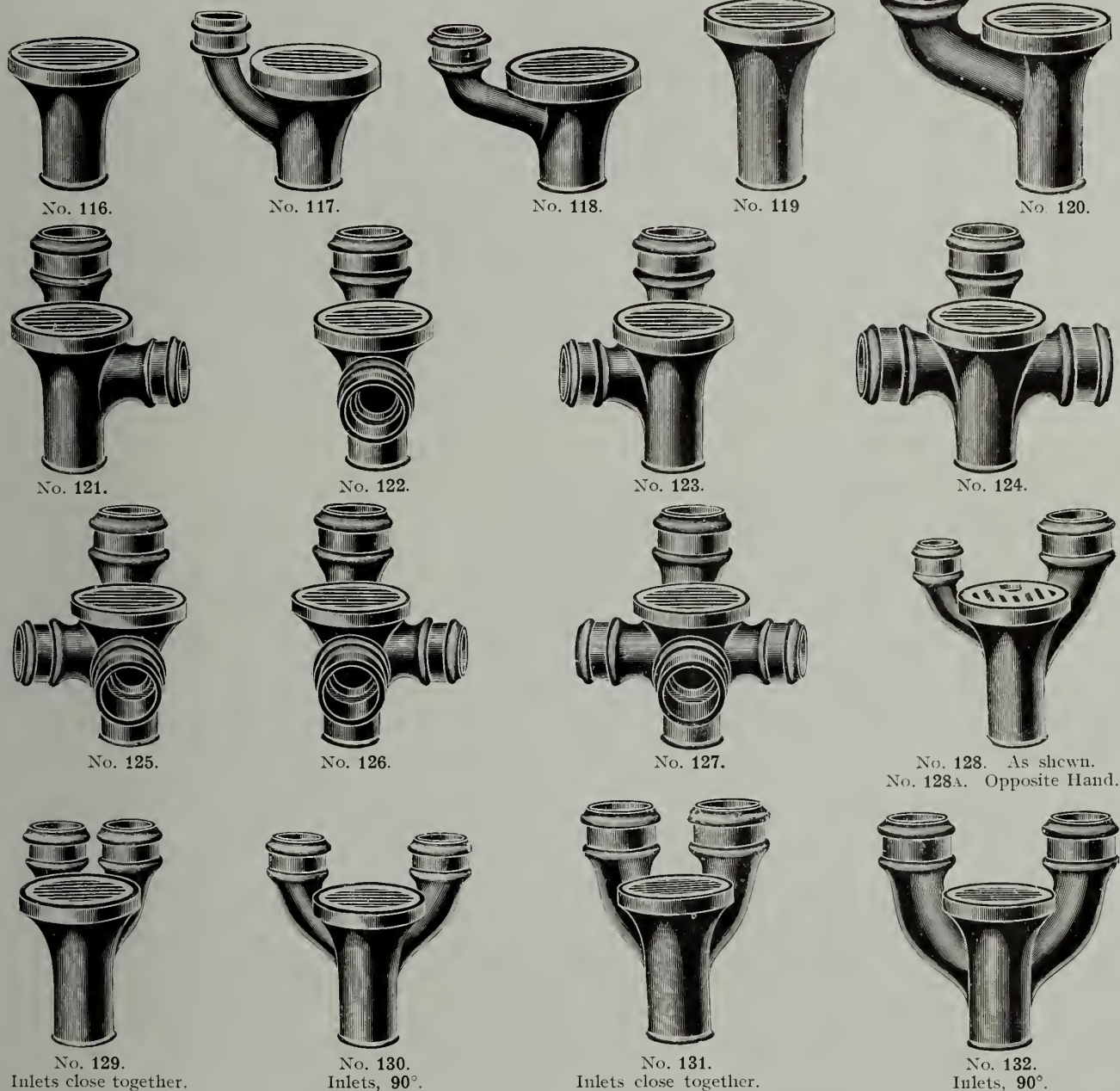
PRICES (Coated with Dr. Angus Smith's Solution).

No.		Each.
111	Trapless Gully, 9 in. dia. at top, with 4 in. Outlet, 95° ...	12/9
112	Do. do. 4 in. Outlet, 135° ...	12/9
113	Do. 6 in. dia. at top, with 4 in. Outlet, 95° ...	11/6
114	Do. do. 4 in. Outlet, 135° ...	11/6

Top Pieces, Gratings, and Inlet Pieces on page 12 fit these Trapless Gullies.

No.		Each.
115	Gully Trap, with Access Door, arranged at ground level to fit Bell-mouth Gully Tops on pages 16, 17. Door fitted with Two Gun-metal Screws and Prepared Felt Washers, Nos. 115, 115a, 115b, 115c. Outlet Angles as shewn, 95°, 112°, 135°, or 180 ...	17/9

# CAST-IRON BELL-MOUTH GULLY TOPS.



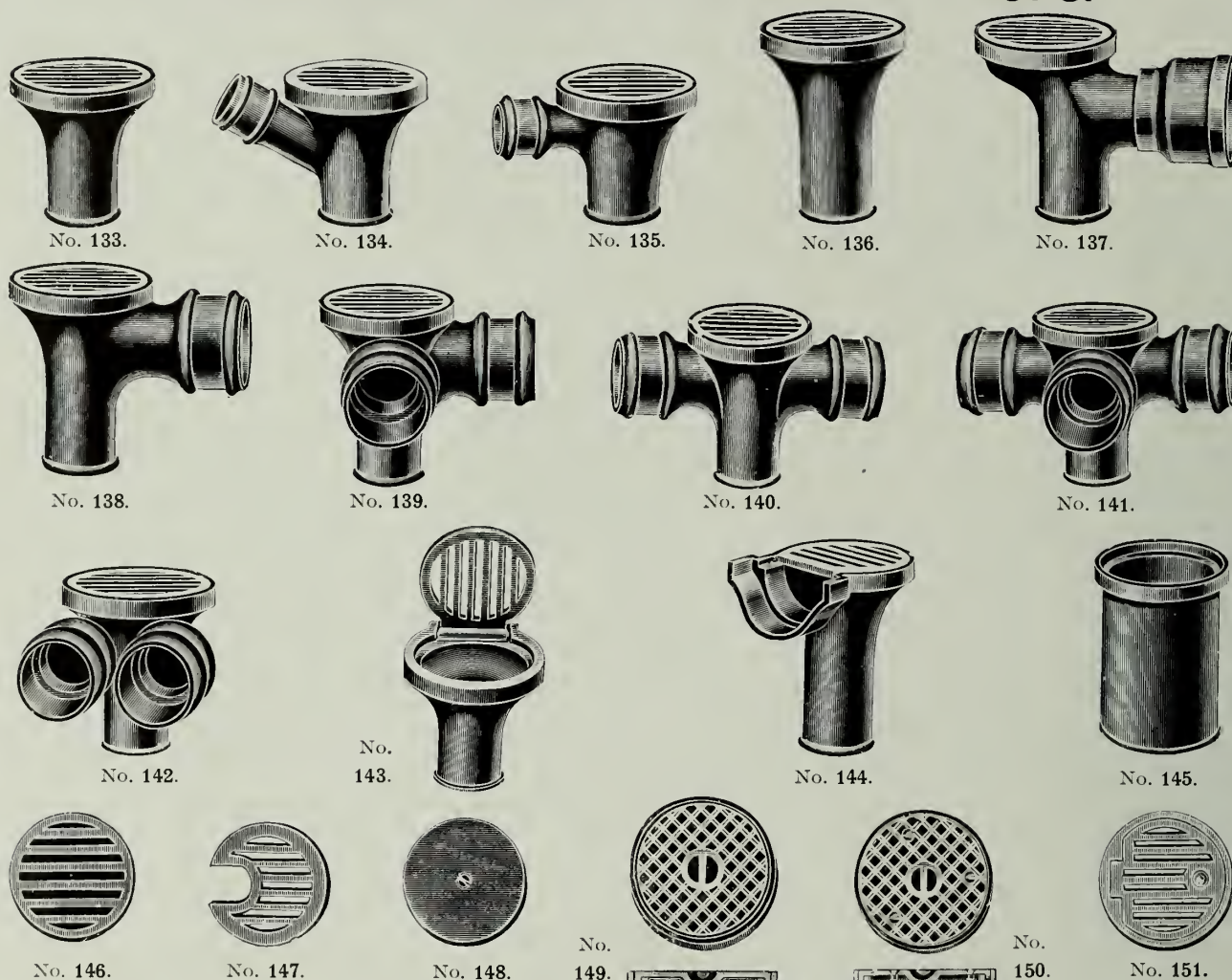
PRICES, including Grating (Coated with Dr. Angus Smith's Solution).

No.	Sizes of Spigots in inches				3	4	5	6
116	Gully Top, 9 in. high, Plain	...	...	...	4 -	4 6	6 -	6 9
117	Do. do. with 2 in. Sloping Vertical Inlet	...	...	...	---	5 3	---	---
118	Do. do. with 2 in. Vertical Inlet	...	...	...	---	5 3	8 9	11 -
119	Do. 12 in. high, Plain	...	...	...	4 6	5 -	6 6	7 9
120	Do. do. with Vertical Inlet, 2 in. to 4 in.	...	...	...	6 9	7 3	10 9	12 6
121, 122, or 123	Do. do. with 1 Vertical Inlet and 1 Horizontal Inlet, any size, 2 in. to 4 in.	...	...	...	---	15 9	18 -	21 -
124, 125, or 126	Do. with 1 Vertical Inlet and 2 Horizontal Inlets	...	...	...	---	21 -	25 6	27 6
127	Do. 12 in. high, with 1 Vertical Inlet and 3 Horizontal Inlets	...	...	...	---	26 3	31 6	35 -
128	Do. do. with 2 Vertical Inlets 90°, any size, 2 in. to 4 in.	...	...	...	---	17 -	25 6	28 6
129 or 131	Do. do. with 2 Vertical Inlets, 2 in. to 4 in., do., close together	...	...	...	---	20 3	25 9	29 6
130 or 132	Do. do. do. do. do. apart	...	...	...	---	17 -	25 6	28 6

These Bell-mouth Gully Fittings can also be supplied Glass Enamelled Inside.



# CAST-IRON BELL-MOUTH GULLY TOPS.



PRICES, including Grating (Coated with Dr. Angus Smith's Solution).

No.		Sizes of Spigots in inches	3	4	5	6
133	Gully Top, 9 in. high, Plain	...	4/-	4/6	6/-	6/9
134	Do. with 2 in. Sloping Inlet	...	—	5/3	—	—
135	Do. with 2 in. Horizontal Inlet	...	—	5/3	8/9	11/-
136	Do. 12 in. high, Plain	...	4/6	5/-	6/6	7/9
137	Do. with Heavy Drain Socket Inlet	...	—	10/-	—	—
138	Do. with Horizontal Inlet, any size 2 in. to 4 in.	...	5/6	6/9	9/9	12/-
139	Do. with TWO Horizontal Inlets, 90°	...	—	13/6	17/-	20/-
140	Do. with TWO Horizontal Inlets, 180°	...	—	10/6	13/6	15/9
141	Do. with THREE Horizontal Inlets	...	—	15/9	20/-	22/6
142	Do. with TWO Horizontal Inlets, equal, close together	...	—	15/9	20/-	23/3
143	Do. with Hinged Grating (9 in. high)	...	7/6	8/3	10/-	11/9
144	Do. with Half Socket for Stoneware Channel	...	—	8/-	—	—
Height, inches			3	6	9	12
145	Raising Pieces, to fit Tops, with 4 in. Spigot	...	3/-	4/9	6/6	7/6
Gratings, &c., for Gully Tops, inches			3	4	5	6
146	Grating, Coated	...	7d.	10d.	1/1	1/4
	Do. Galvanized	...	1/2	1/8	2/2	2/8
147	Do. with Hole, Coated	...	1/3	1/4	1/9	2/-
	Do. Galvanized	...	2/6	2/8	3/6	4/-
148	Solid Plate, Coated	...	1/-	1/2	1/6	1/8
	Do. Galvanized	...	2/-	2/4	3/-	3/2
149	Lifting Cover and Frame, Coated	...	2/3	2/3	2/9	3/3
	Do. Galvanized	...	4/6	4/6	5/6	6/6
150	Lifting Cover, with Three Screws, Coated	...	5/3	5/3	5/9	6/6
	Do. Galvanized	...	10/6	10/6	11/6	13/-
151	Hinged Grating and Frame, Coated	...	5/3	5/3	5/9	6/6
	Do. Galvanized	...	10/6	10/6	11/6	13/-

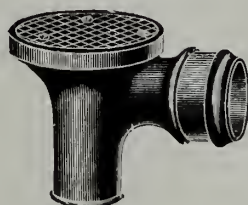
These Bell-mouth Gully Fittings can also be supplied Glass Enamelled inside.

# SEALED BELL-MOUTH GULLY TOPS.

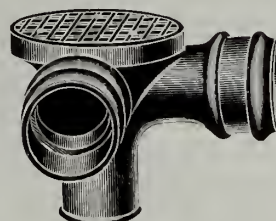
FOR FIXING INSIDE BUILDINGS. WITH PLATE, BRASS SCREWS, AND INDIA-RUBBER WASHER.



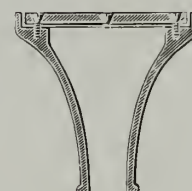
No. 120A.



No. 138A.



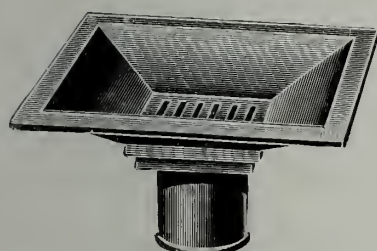
No. 139A.



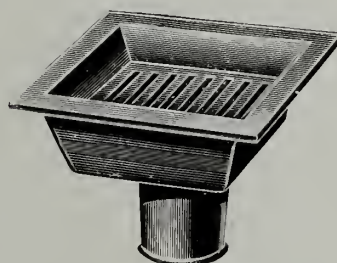
SECTION.

The above are examples only. Bell-mouth Gully Tops, shewn on page 16-17, can be provided with Plate, Brass Screws, and India-rubber Washer at extra cost of 3 in., 7/-; 4 in., 7/-; 5 in., 8/-; 6 in., 9/- each.

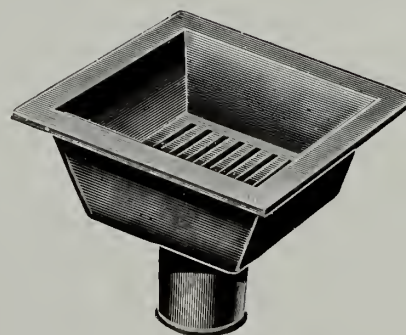
## CAST-IRON DISHED GULLY TOPS.



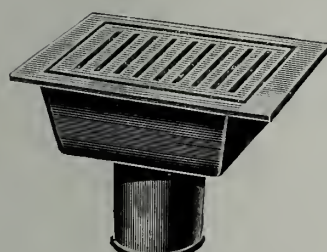
No. 153. 12 in. Square over Flange.  
No. 153A. 16 in. Square over Flange.



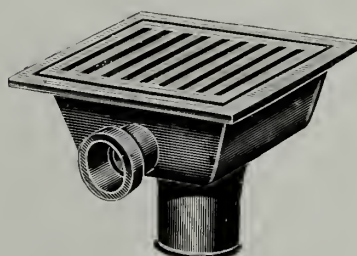
No. 154. 13 1/2 in. over Flange,  
Grating 2 in. down.



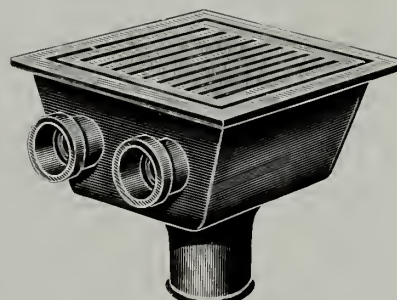
No. 155. 15 in. Square over  
Flange, Grating 4 in. down.



No. 156. 13 1/2 in. Square  
over Flange.

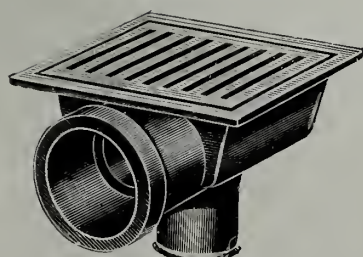


No. 157. 13 1/2 in. Square over Flange,  
with 2 in. Inlet.



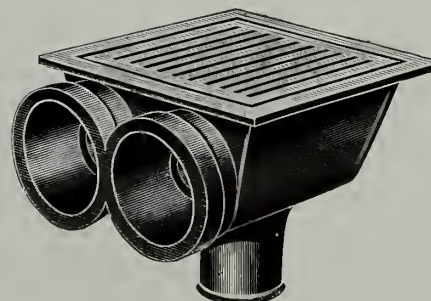
No. 158. 13 1/2 in. Square over Flange,  
with Two 2 in. Inlets.

PRICES (Coated with Dr. Angus Smith's Solution).



No. 159. 15 in. Square over  
Flange, with 4 in. Inlet.

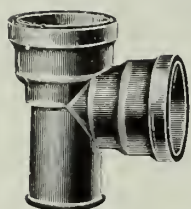
No.	Dia. of Outlet, 4 in.	Each.
153	Dished Gully Tops	7/-
153A	Do. do.	8/-
154	Do. do.	8/3
155	Do. do.	9/3
156	Do. do.	10/9
157	Do. do.	15/9
158	Do. do.	21/-
159	Do. do.	17/-
160	Do. do.	22/3



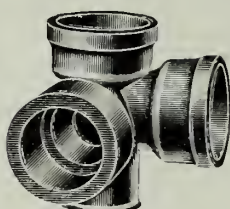
No. 160. 15 in. Square over Flange,  
with Two 4 in. Inlets.



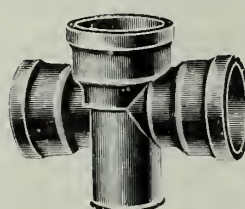
## INLET PIECES FOR CAST-IRON GULLIES.



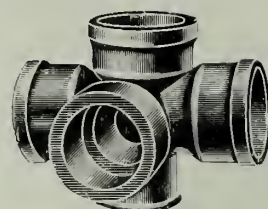
No. 162.



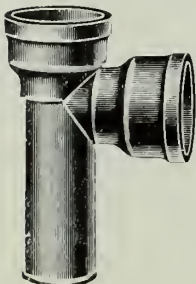
No. 163.



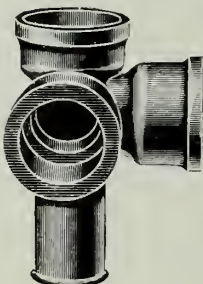
No. 164.



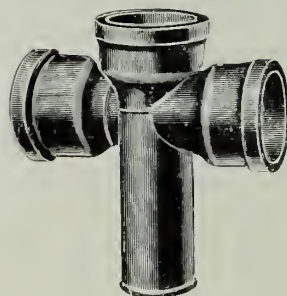
No. 165.



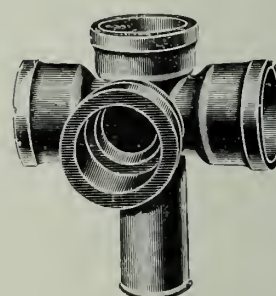
No. 166.



No. 167.



No. 168.

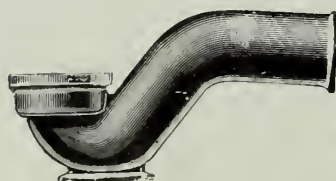


No. 169.

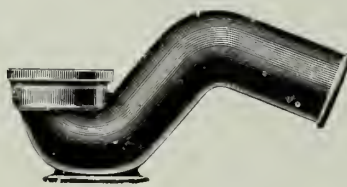
PRICES (Coated with Dr. Angus Smith's Solution).

No.		Sizes, inches	3	4	5	6
162	Short Inlet Piece, 1 Inlet	...	6 -	7 3	10 -	12 6
163, 164	Do. 2 Inlets	...	9 3	11 3	16 6	19 3
165	Do. 3	...	11 9	14 9	20 6	23 6
166	Long Inlet Piece, 1 Inlet	...	6 6	8 9	11 6	14 9
167, 168	Do. 2 Inlets	...	10 -	12 6	18 6	21 3
169	Do. 3	...	12 6	16 6	22 -	25 6

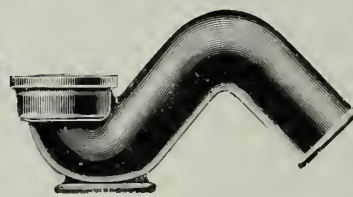
## CAST-IRON GULLY TRAPS.



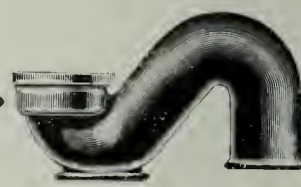
No. 97. 95°



No. 93. 112°



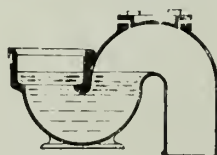
No. 99. 135°



No. 100. 180°



No. 97B. 95°



No. 100B. 180°



No. 97C. 95°



No. 100C. 180°

PRICES (Coated with Dr. Angus Smith's Solution).

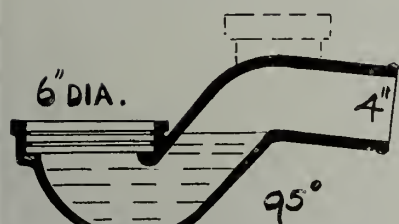
No.		Each.
97, 98	4 x 4 in. Cast-iron Gully Trap, 95° and 112° Outlet, Plain	6 6
99, 100	do. 135° and 180°	7 3
97B	do. 95°, with Square Access Door, Brass Bolts and Washer	18 -
100B	do. 180°	18 9
97C	do. 95°, 112°, with Round Access Door, Screws and Washer	11 9
100C	do. 135°, and 180°	12 6

Extra for Access Sockets on Nos. 97-100, 3/6 each.

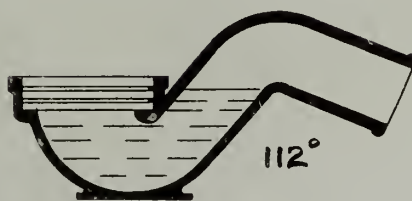


# CAST-IRON GULLY TRAPS.

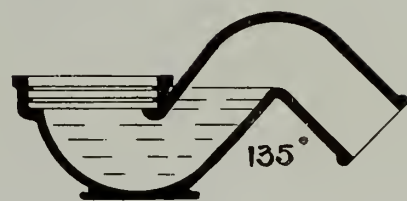
COATED WITH DR. ANGUS SMITH'S SOLUTION OR GLASS ENAMELLED INSIDE.



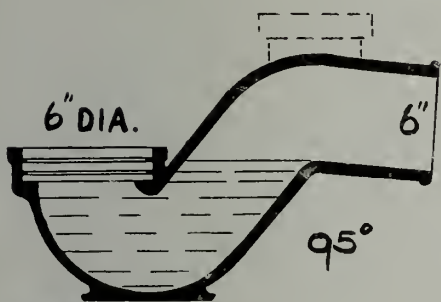
No. 170.



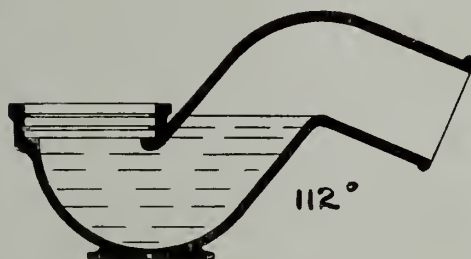
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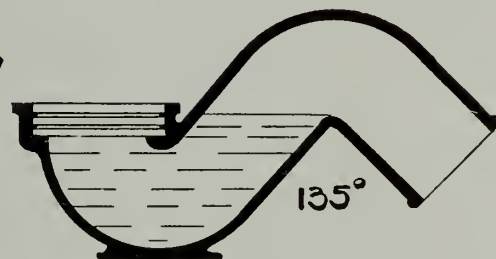
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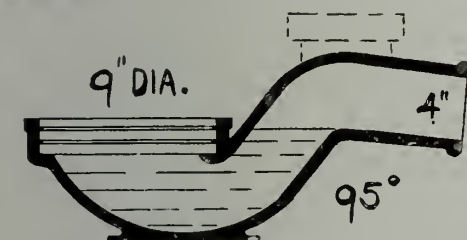
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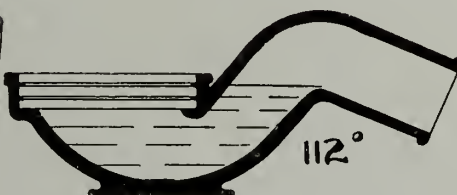
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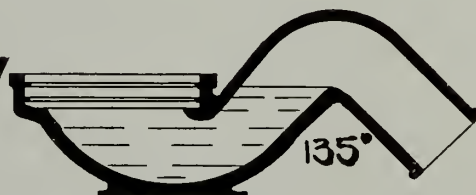
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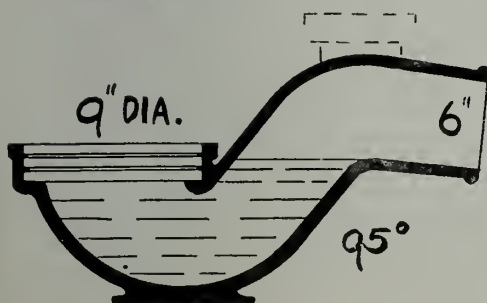
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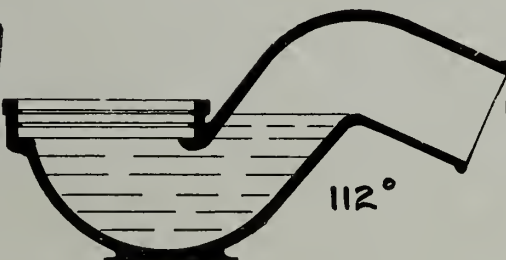
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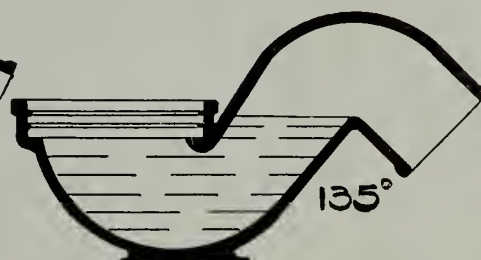
No. 178.



No. 179.



No. 180.

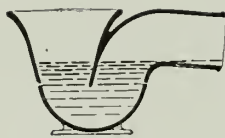


No. 181.

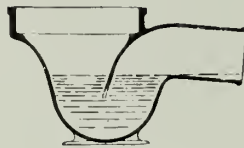
## PRICES (Coated with Dr. Angus Smith's Solution).

No.								Each.
170-2	6 × 4 in.	Cast-iron Gully Trap,	95°, 112° or 135°, Plain	...	...	...	...	13/9
173-5	6 × 6 in.	Do.	do.	do.	...	...	...	15/6
176-8	9 × 4 in.	Do.	do.	do.	...	...	...	13/3
179-181	9 × 6 in.	Do.	do.	do.	...	...	...	18/9
170-2	Extra for Access Socket on Outlet							3/6
173-5	Do.	do.	...	...	...	...	...	6/3
176-8	Do.	do.	...	...	...	...	...	9/9
179-181	Do.	do.	...	...	...	...	...	9/9

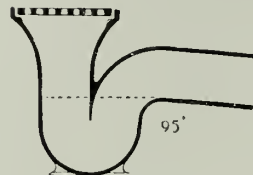
# CAST-IRON GULLIES.



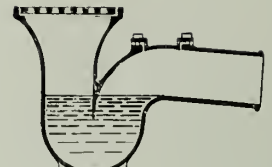
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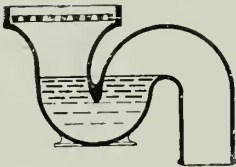
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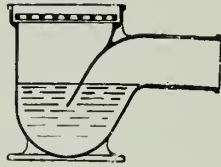
No. 188.



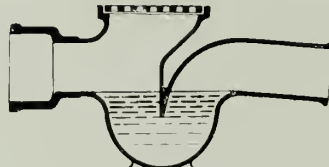
No. 189.



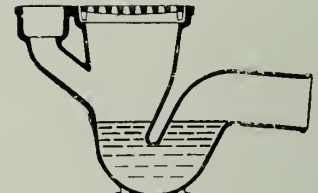
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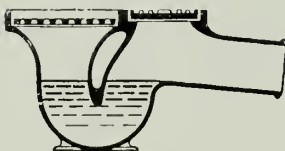
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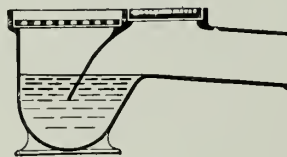
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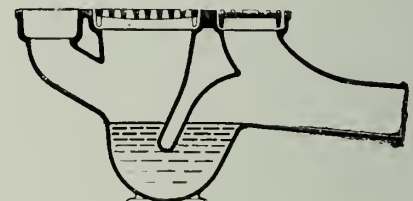
No. 193.



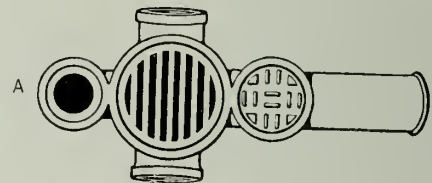
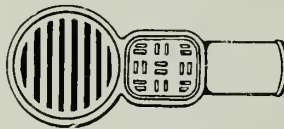
No. 194.



No. 195



B



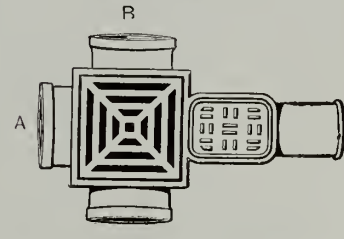
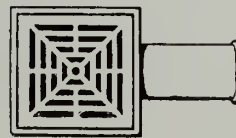
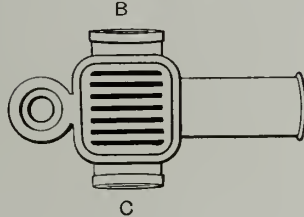
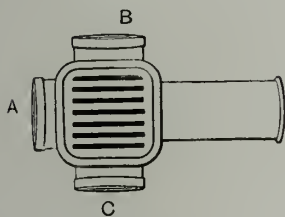
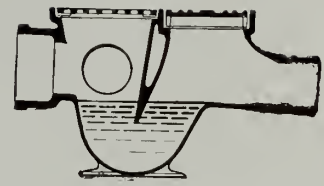
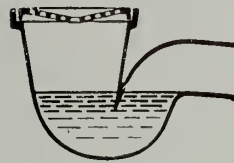
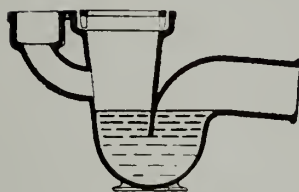
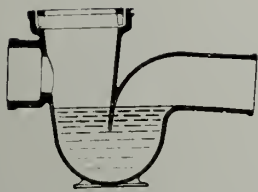
C

No. 196.

## PRICES (Coated with Dr. Angus Smith's Solution).

No.		Each.
186	Cast-iron Gully, with 4 in. Outlet ... ..	10/6
187	Do. (for 9 in. dia. Raising Pieces, page 12), 4 in. Outlet, 95°, 135° or 180°	13/-
	Heavy Cast-iron Grating, if required Coated, 3/9 ; Galvanized, 6/9 each.	
188	Cast-iron Gully, with 4 in. Outlet and Grating, 95°, 135° or 180°	13/6
189	Do. with 4 in. Outlet and Round Access Door	18/-
190	Do. with 4 in. Outlet and Grating	15/-
191	Do. do. do.	15/-
192	Do. do. do.	18/-
193	Do. with 4 in. Outlet, and with 4 in. Vertical Inlet Socket at back	20/3
	Side Inlets, Extra 6/3 each	
194	Do. with 4 in. Outlet, and with Access Arm and Loose Cover...	17/6
195	Do. do. do. do.	18/-
196	Do. with 4 in. Outlet, Vertical Inlet Socket at back, and Access Arm with Loose Cover	32/9
	Horizontal Side Inlets. Extra 6/3 each.	

# CAST-IRON GULLIES.



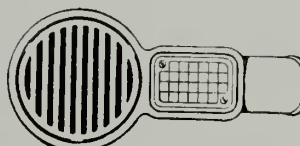
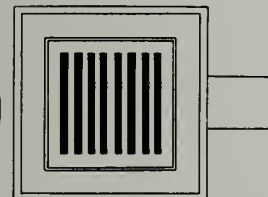
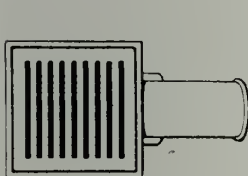
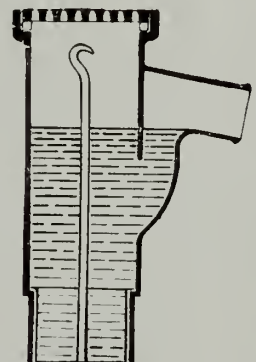
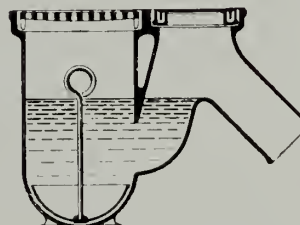
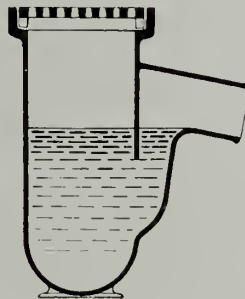
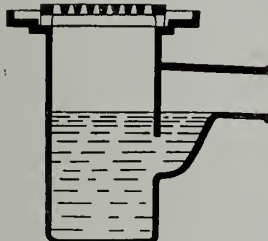
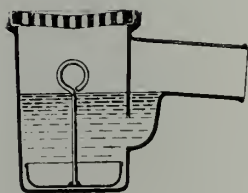
No. 197.

No. 198.

No. 199.

No. 200.

(Made P, Q, and S Outlets).



No. 201.

No. 202.

No. 203.

No. 204.

No. 205.

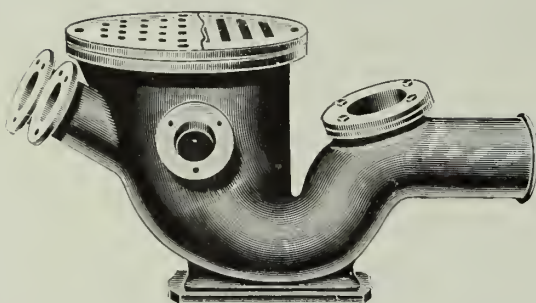
No. 205A.

## PRICES (Coated with Dr. Angus Smith's Solution).

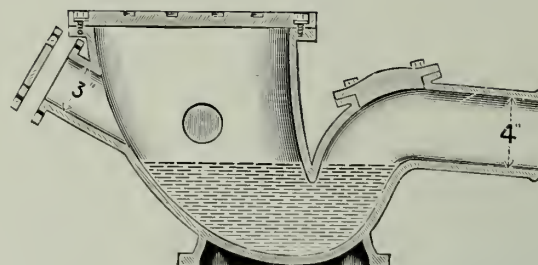
No.			Each.
197	Cast-iron Gully, 6 × 6 in. Top, 4 in. Outlet and Grating, Plain	...	13/3
	Extra for Horizontal Inlets, A, B, or C, 4/6.	...	
198	Do. 6 × 6 in. Top, 4 in. Outlet, with Vertical Inlet at Back	...	20/3
	Extra for Horizontal Inlets, B or C, 4/6 each.	...	
199	Do. 10 × 10 in. Top, 12 in. deep, 4 in. Outlet and Grating	...	18/9
200	Do. 9 × 9 in. Top, with Grating and with Access Cover fixed with Two G.M. Screws	...	33/3
	Extra for Horizontal Inlets, A, B, or C, 4/6 each.	...	
201	Do. 9 × 9 in. clear, 15 in. deep overall, complete with Grating and Coated Cast-iron Sediment Pan	...	31/-
	Extra if Sediment Pan Galvanized, 3/6.	...	
202	Do. 9 in. dia., with 9 × 9 in. square Top, 3 in. Outlet and Grating	...	26/3
	Extra for Cast-iron Sediment Pan, Coated, 3/9; Galvanized, 7/6.	...	
203	Do. 9 in. dia., 2 ft. high, 4 in. Outlet and Grating	...	36/9
	Extra for Inlets, A, B, or C, 7/6 each. Extra for Cast-iron Sediment Pan, Coated, 3/9; Galv., 7/6.	...	
204	Do. 9 in. dia., 1 ft. 6 in. high, 4 in. Outlet, 95° or 135°, with Grating and Sealed Access Cover, secured with Two Gun-metal Screws	...	51/3
	Extra for Cast-iron Sediment Pan, Coated, 3/9; Galvanized, 7/6.	...	
205	Do. 9 in. dia., 1 ft. 9 in. high, 4 in. Outlet and Grating	...	33/9
205A	Do. 9 in. dia., 2 ft. 6 in. high, 4 in. Outlet	...	42/-
	Extra for Inlets, A, B, or C, 7/6 each. Extra for Cast-iron Sediment Pan, Coated, 5/3; Galvanized, 9/9.	...	



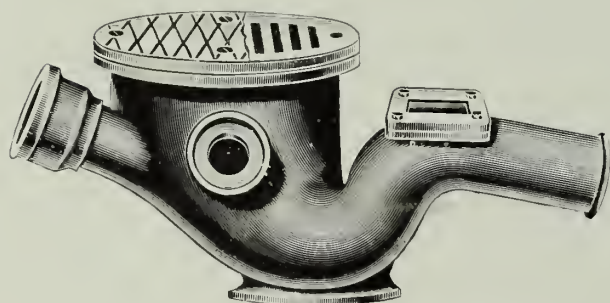
# CAST-IRON FLUSHING GREASE GULLIES.



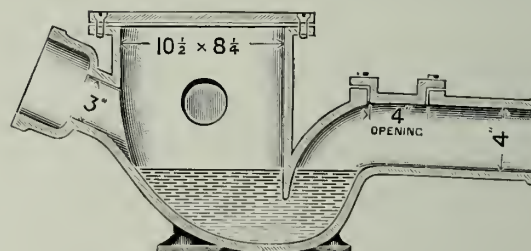
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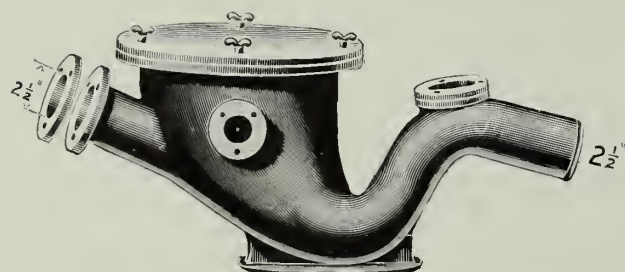
Section.



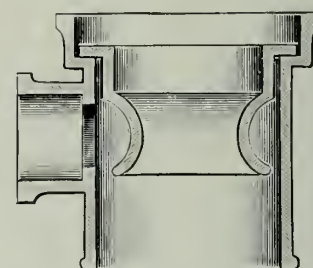
No. 208.



Section.



No. 209.

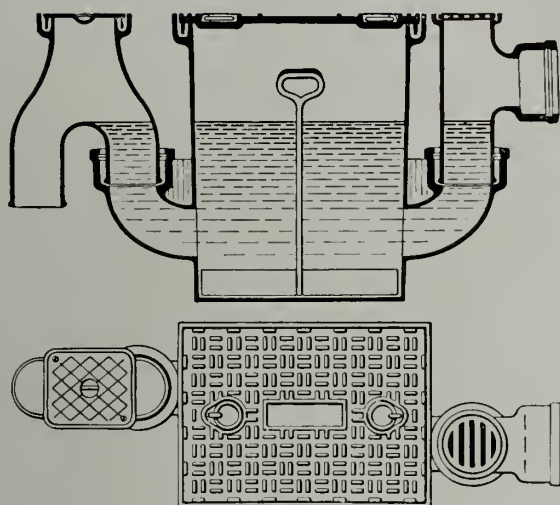


No. 210. Flushing Rim Piece.

## PRICES.

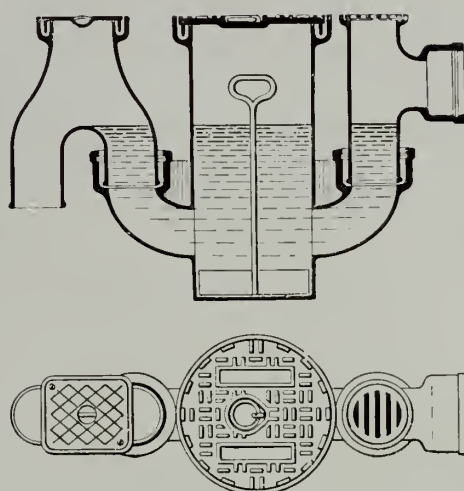
No.		£	s.	d.
207	Cast-iron Flushing Grease Gully, with Airtight Cover or Grating, 2 in. Side Inlets, with Loose Flanges, Gun-metal Screws, Porcelain Enamelled inside ... ..	3	13	6
207A	Do. do. do. Coated ... ..	2	17	9
208	Do. do., with Airtight Cover or Grating, secured with Gun-metal Screws, 2 in. Socket Inlets, Porcelain Enamelled inside	3	13	6
208A	Do. do. do. Coated ... ..	2	17	9
209	Do. do., with Airtight Cover, secured with Gun-metal Thumb Screws, 1 1/2 in. Side Inlets, with Loose Flanges, Porcelain Enamelled inside ... ..	2	2	0
209A	Do. do. do. Coated ... ..	1	14	9
210	Cast-iron Flushing Rim, to fit No. 73 "Adapta" Inlet Piece, page 12...	0	5	3
211	20-Gallon Flushing Cistern, with after-flush and Brass Outlet Connection for Nos. 207 and 208 ... ..	4	16	0

# CAST-IRON GREASE TRAPS, &C.



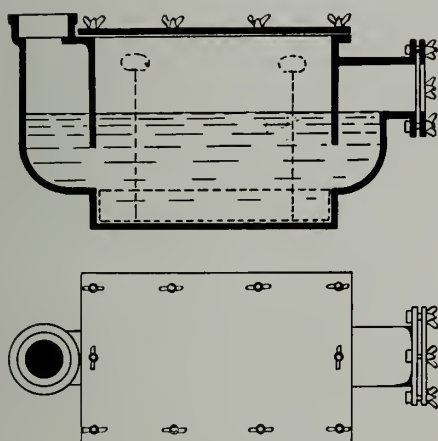
No. 215. Grease Trap.

Size, 18 × 12 × 24 in. deep.  
4 in. Inlet and 4 in. Outlet.  
Also made with Outlet 92½°



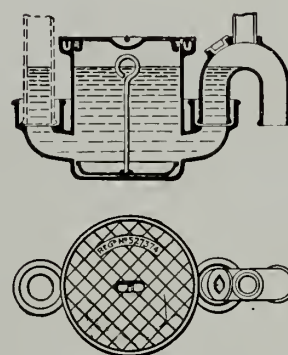
No. 216 Grease Trap.

Size, 10 in. diameter.  
4 in. Inlet and 4 in. Outlet.  
Also made with Outlet 92½°



No. 217. Grease Trap.

Inside Sizes, 20 × 15 × 15 in. deep.  
2 in. Inlet and 2 in. Outlet.



No. 218. Grease Trap.

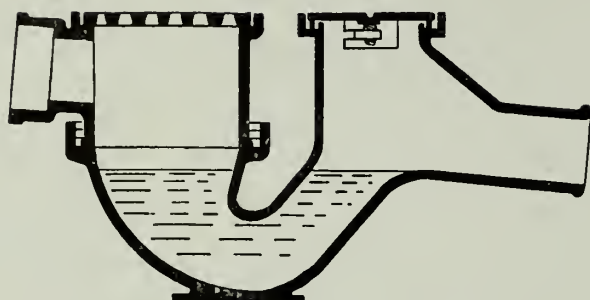
9 in. dia. inside. 2 in. Inlet and 2 in. Outlet.  
With P or S Outlet and 2 in. Vent.

## PRICES (Coated with Dr. Angus Smith's Solution).

No.		Each.
215	Cast-iron Grease Trap, with Sealed Cover, Inlet with Grating, P or S Outlet with Sealed Cover, and Coated Sediment Pan, as Illustrated ... ..	£5 3 6
216	Do. do. with Sealed Cover, Inlet with Grating, P or S Outlet, with Sealed Cover and Coated Sediment Pan, as Illustrated ... ..	£4 18 6
217	Do. do. with Cover, Sealed by Gun-metal Screws, Vertical Inlet and Flanged Outlet for Lead, Coated Sediment Pan ... ..	£4 15 0
218	Do. do. with Sealed Cover, and Coated Sediment Pan, as Illustrated	£2 8 3

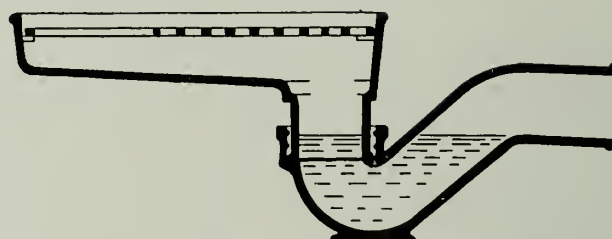


## CAST-IRON WASTE GULLIES.



No. 220. Waste Gully, with Air-tight Access Arm,  
4 in. Outlet.

Inlet Pieces on page 12 also fit these Waste Gullies.



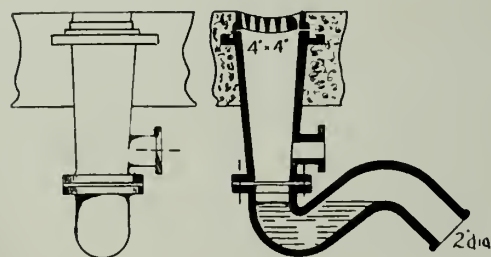
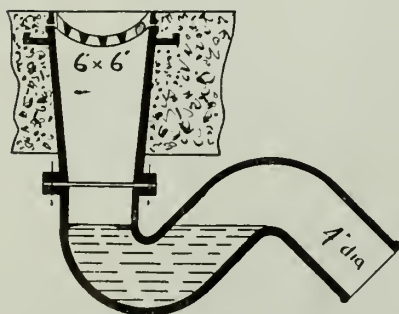
No. 222. Trough Channel, with Trap,  
4 in. Outlet.

### PRICES (Coated with Dr. Angus Smith's Solution).

No.		Each.
220	Cast-iron Waste Gully, 9 in. diameter, 4 in. Outlet... .. Extra for 12 in. dia. Cast-iron Grating and Frame, Coated, 4/- ; Galvd., 6/- each. Inlet Pieces on page 12 fit these Waste Gullies.	27/6
222	Cast-iron Trough Channel, with Coated Gratings—Coated ... .. Glass Enamelled, 16/6 ; White Porcelain Enamelled, 18/6 each. If Grating Galvanized, add 3/- extra.	14/6
97-98	Cast-iron Traps, 95° or 112° Outlet, for No. 222 Trough Channel ... ..	6/6
99-100	Do. 135° or 180° Outlet do. do. ... ..	7/3

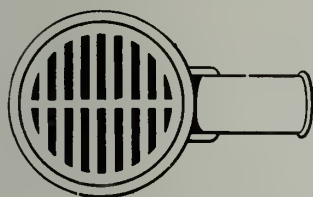
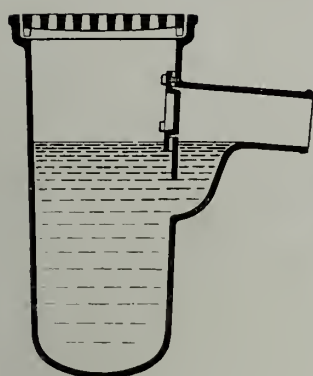
## CAST-IRON GULLIES.

WITH FLANGED JOINTS FOR CONCRETE FLOORS.

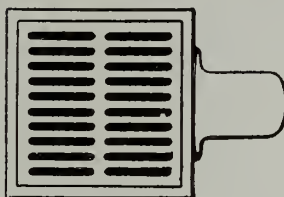
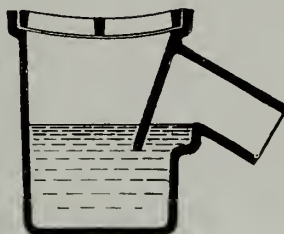


The above are examples of the many Patterns which we have of Sanitary Castings.

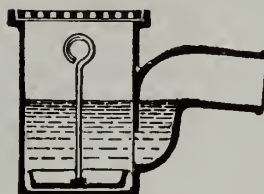
# CAST-IRON ROAD GULLIES, &C.



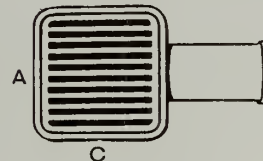
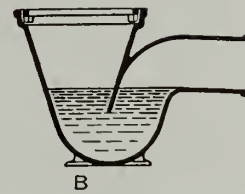
No. 182.



No. 183.  
Heavy Pattern,  
 $\frac{3}{4}$  in. Metal.



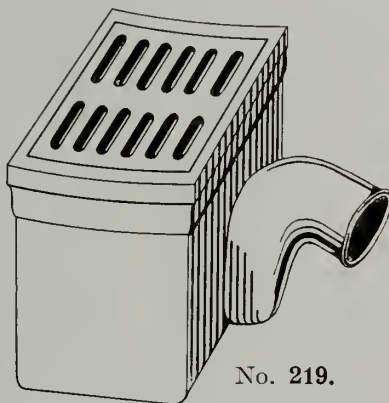
No. 184.



No. 185.  
Made P, Q, or S Outlets  
and with Horizontal or  
Vertical Side Inlets,  
A, B, or C.

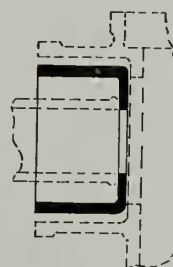


SECTION.

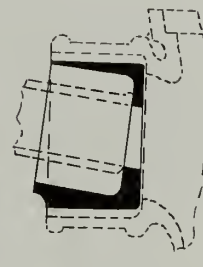


No. 219.

4 in. Outlet. Made in various sizes.



No. 64.



No. 65.

Cast-iron Reducing Gully Inlets.

## PRICES (Coated with Dr. Angus Smith's Solution).

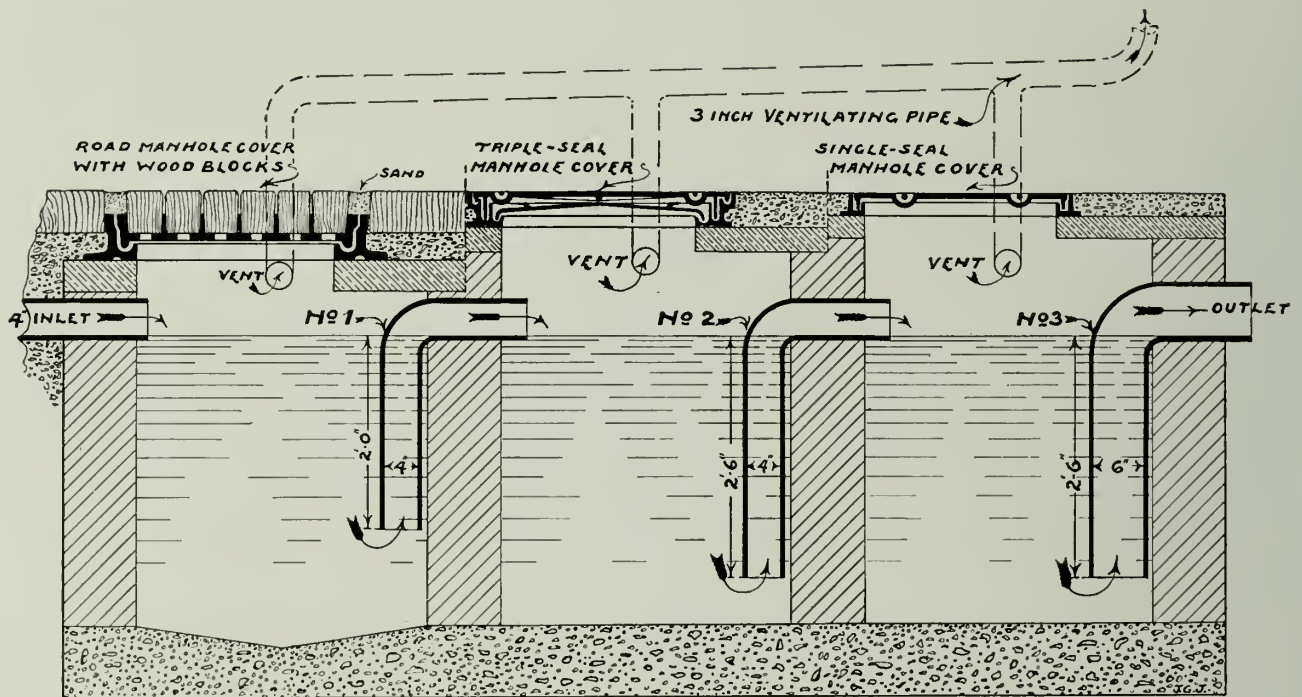
No.		Each.
182	Cast-iron Gully, 12 in. dia. inside, 2 ft. 6 in. high, with Access Door, 4 in. Outlet and Grating ... ..	65/9
183	Cast-iron Gully, $15\frac{1}{4} \times 15\frac{1}{4} \times 18\frac{3}{4}$ in. high, Heavy Pattern, of $\frac{3}{4}$ in. Metal, 4 in. Outlet and Grating ... ..	68/3
184	Cast-iron Gully, 9 in. dia. inside, 15 in. high, 4 in. Outlet and Grating, Galvanized Sediment Pan ... ..	31/6
185	Cast-iron Gully, 9×9 in. inside Top, 4 in. Outlet and Grating, Plain ... .. Extra for Horizontal Inlets, A, B or C, 4/6 each. ,, Vertical Inlets, A, B or C, 7/- ,,	14/6
219	Cast-iron Road Gully, 14×10 in. overall at top, 4 in. Outlet ... ..	20/6
219A	Do. 18×12 in. do. do. ... ..	33/-
219B	Do. 20×15 in. do. do. ... ..	50/9
219C	Do. 24×16 in. do. do. ... ..	71/6
64	Reducing Gully Inlet, Straight, Stock Sizes, inches, 2×4, 2½×4, 3×4, 3½×4 ...	1/3
65	Do. Angled, do. do. do. ...	1/9



# CAST-IRON BENDS.

For PETROL INTERCEPTING TANKS, complying with L.C.C. Regulations for Motor Garages.

All surface Drainage must pass through an Intercepting Tank, as designed below, before passing into Sewer.



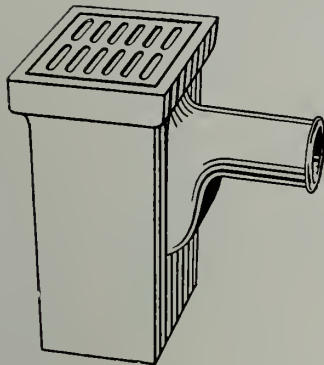
Various forms of Surface Access **Manhole Covers** are shewn, any one of which may be used throughout. We merely illustrate these as examples for different situations in which Petrol Intercepting Tank may be placed.

## PRICES (Bends only).

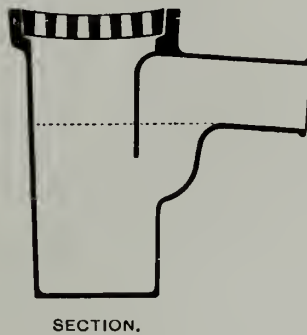
No.		Coated.
1	4 in. Cast-iron Bend ... .. each	13/6
2	4 in. Do. ... .. "	13/6
3	6 in. Do. ... .. "	22/6

For MANHOLE COVERS, see pages 63—79.

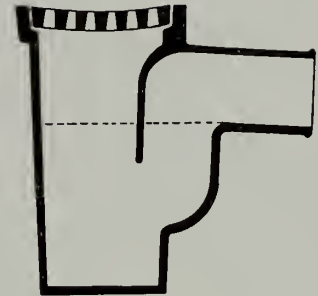
# CAST-IRON ROAD GULLIES, &C.



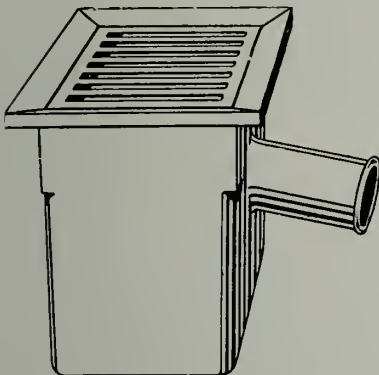
No. 223. 4 in. Outlet.



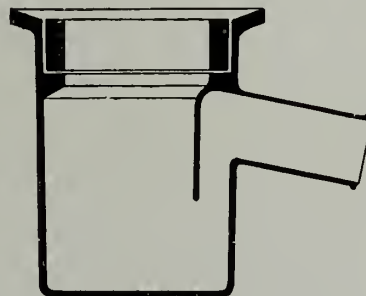
SECTION.



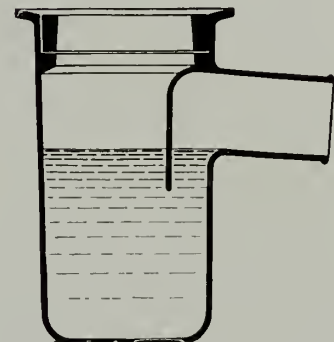
No. 223A. 6 in. Outlet.



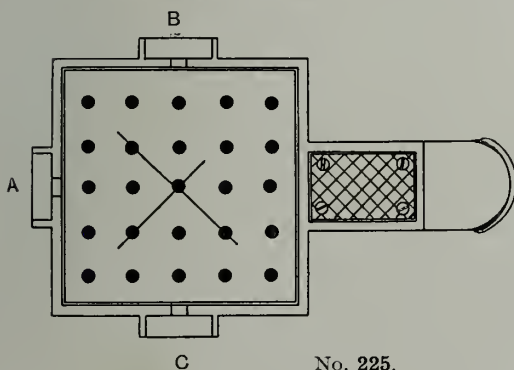
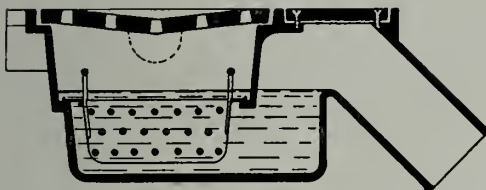
No. 224. 4 in. Outlet.



SECTION.



No. 224A. 6 in. Outlet.

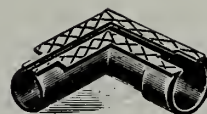


No. 225.

## PAVEMENT CHANNELS.



No. 1. Gutter.



No. 2. Angle.



No. 3. Shoe.



No. 4. Tee.

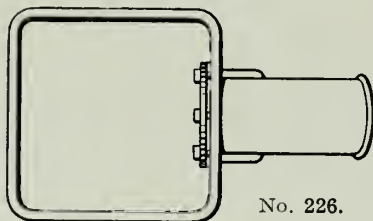
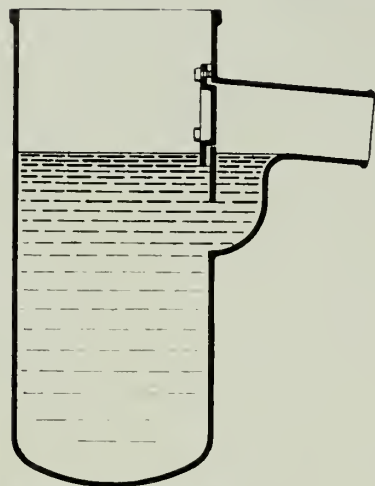
## PRICES (Coated with Dr. Angus Smith's Solution).

No.		Each.
223	Cast-iron Road Gully, 16×11×18 in. deep, 4 in. Outlet, and Grating ...	36/9
223A	Do. 16×11×18 in. deep, with 6 in. Outlet, and Grating ...	42/-
224	Do. 19×16×18 in. deep, with 4 in. Outlet, and Grating ...	49/3
224A	Do. 20×16×27 in. deep, with 6 in. Outlet, and Grating ...	89/3
225	Cast-iron Gully, Market Pattern, with Basket and Grating with Access on Outlet, 6 in. Outlet, 95°, 130°, 180°, Plain ...	91/3
Extra for Channel Inlets, A, B, or C, 3/- each.		

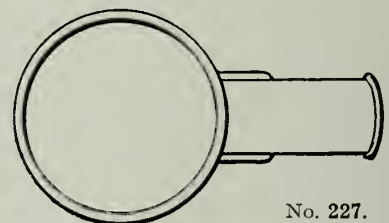
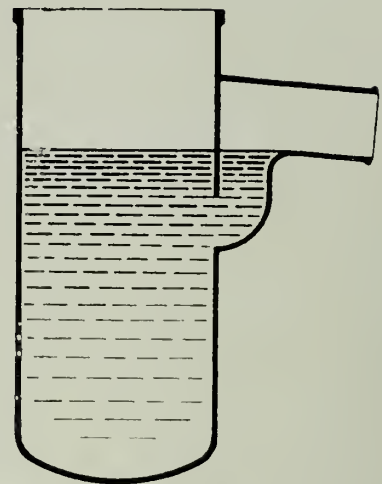
CAST-IRON PAVEMENT CHANNELS AND FITTINGS, PRICES ON APPLICATION.



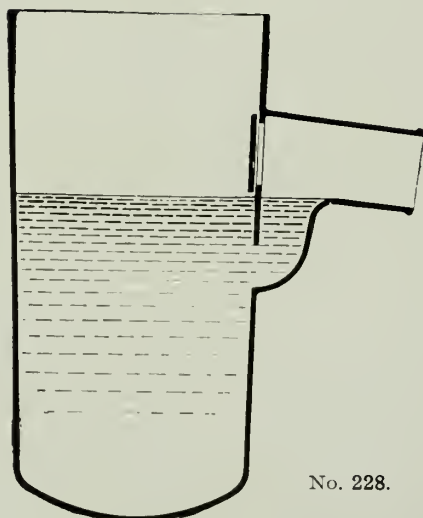
# CAST-IRON ROAD GULLIES.



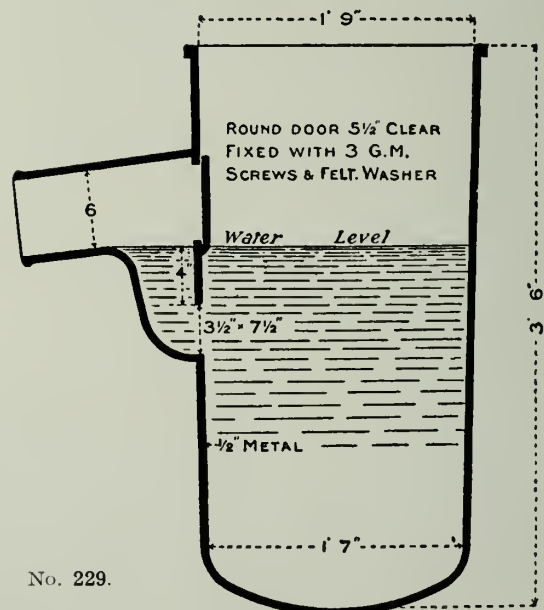
No. 226.



No. 227.



No. 228.



No. 229.

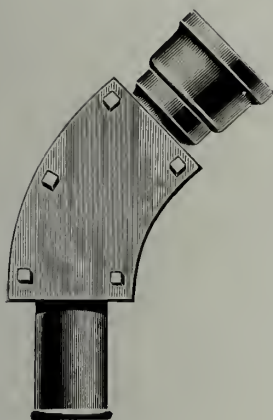
## PRICES (Coated with Dr. Angus Smith's Solution).

No.									Each.
226	Cast-iron Road Gully, 12 in. dia., 12 x 12 in. at Top, 4 in. Outlet, 18 in. deep	...	...	...	...	...	...	...	62/3
226A	Do. do. do. do. 24 in. "	...	...	...	...	...	...	...	72/3
226B	Do. do. do. do. 30 in. "	...	...	...	...	...	...	...	85/3
	Extra for Access, 7/6 each.								
227	Do. 12 in. dia., 4 in. Outlet, 18 in. deep	...	...	...	...	...	...	...	55/-
227A	Do. do. do. 24 in. "	...	...	...	...	...	...	...	65/6
227B	Do. do. do. 30 in. "	...	...	...	...	...	...	...	78/9
	Extra for Access, 7/6 each.								
228	Do. with Access, 1 ft. 8 in. dia., 6 in. Outlet, 24 in. deep	...	...	...	...	...	...	...	110/-
229	Do. do. 1 ft. 9 in. dia. at top, 6 in. Outlet, 42 in. deep	...	...	...	...	...	...	...	136/6
229A	Do. do. do. 4 in. " 42 in. "	...	...	...	...	...	...	...	133/3

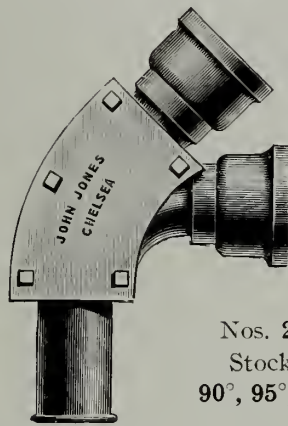
# INSPECTION CHAMBER BENDS.

COVER SECURED WITH GALVANIZED BOLTS AND GUN-METAL NUTS AND WASHER.

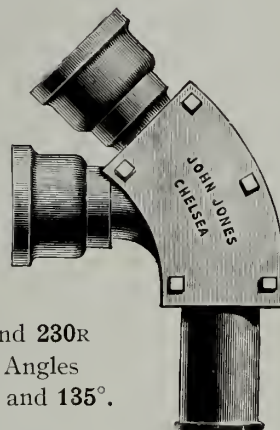
SCALE: 1 IN. TO 1 FT.



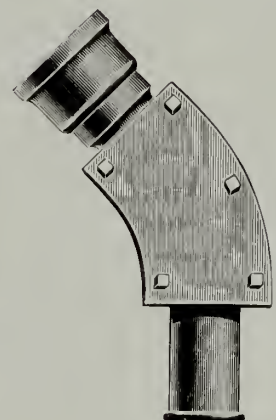
No. 230L.



No. 231L  
With Inlet inside.

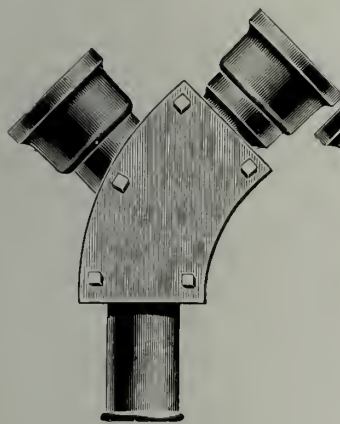


No. 231R.  
With Inlet inside.

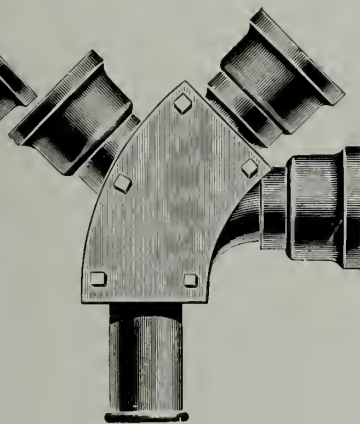


No. 230R.

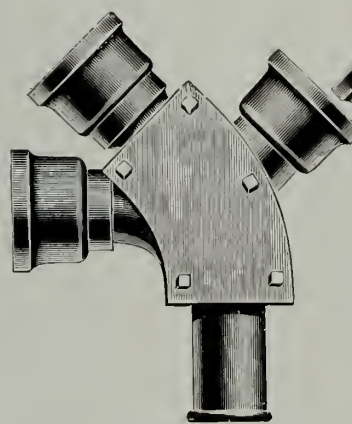
Nos. 230L and 230R  
Stocked at Angles  
90°, 95°, 112°, and 135°.



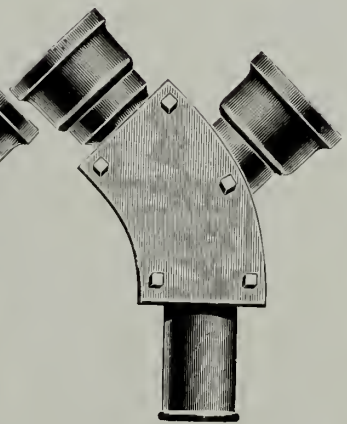
No. 232L.  
With Inlet outside.



No. 233L.  
Two Inlets.



No. 233R.  
Two Inlets.



No. 232R.  
With Inlet outside.

## PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches ...	4	5×4	5	6×4	6
230L 230R	Inspection Chamber Bends, Galvanized Bolts, Gun-metal Nuts and Washer, Plain ...	25/9	—	31/6	—	36/6
231L 231R	Do. do., with <b>ONE</b> Branch inside (Angle 135° only) ... ..	32/-	39/9	42/3	45/-	47/6
232L 232R	Do. do., with <b>ONE</b> Branch outside (Angle 135° only) ... ..	32/-	39/9	42/3	45/-	47/6
233L 233R	Do. do., with <b>TWO</b> Branches, inside and outside (135° only) ... ..	37/9	44/9	47/3	50/-	52/6

Inspection Chamber Bends can be made to any Angle to order.

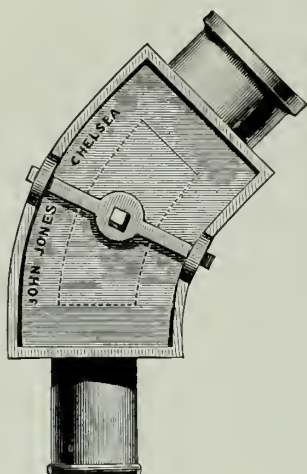
Manganese Bronze Bolts and Gun-metal Nuts, strongly recommended, at slight extra.



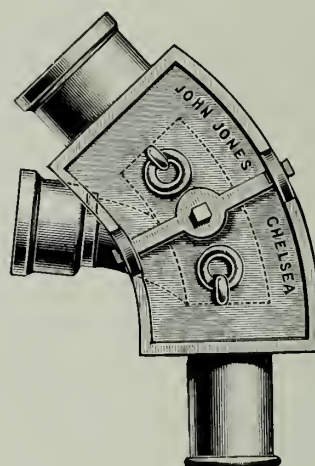
# "DOUBLE-SEAL" INSPECTION CHAMBER BENDS.

WITH HEAVY WROUGHT-IRON BRIDLE, GUN-METAL SCREW AND LIFTING RINGS.

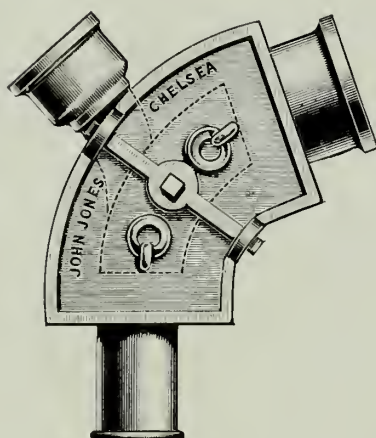
SCALE: 1 IN. TO 1 FT.



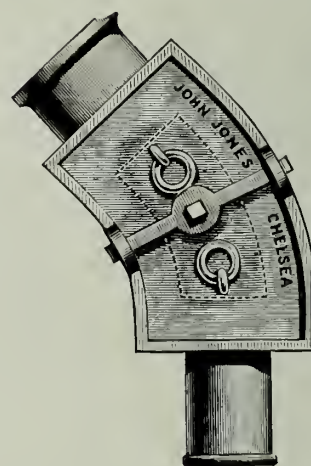
No. 240L.



No. 241R.  
With Inlet inside.



No. 242L.  
With Inlet outside.



No. 240R.

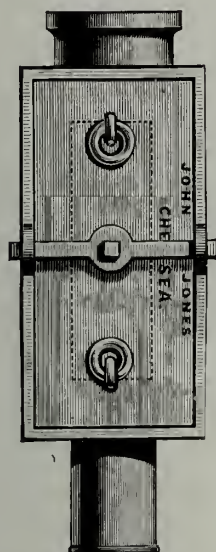
## PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches	...	4	5×4	5	6×4	6
240L 240R	Inspection Chamber Bend, complete with Double Cover, Heavy Wrought-iron Bridle, Gun-metal Screw and Lifting Rings, Plain Stocked in Angles 90°, 95°, 112°, and 135°.		44/3	—	52/6	—	63/-
241L 241R	Do. do., with ONE Branch inside (Angle 135° only) ... ..		53/-	61/3	63/9	71/9	74/3
242L 242R	Do. do., with ONE Branch outside (Angle 135° only) ... ..		53/-	61/3	63/9	71/9	74/3

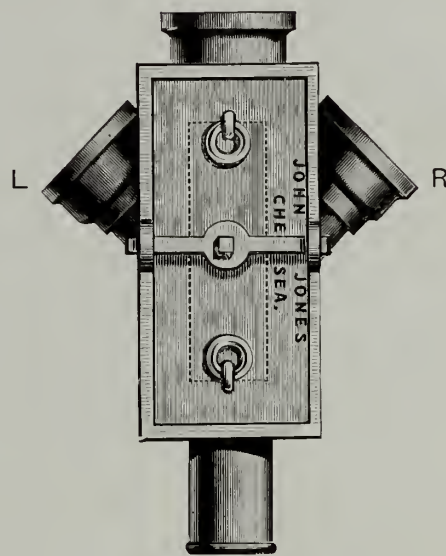
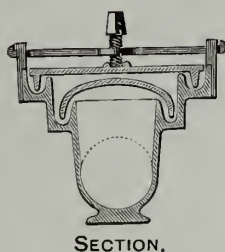
# CAST-IRON "DOUBLE-SEAL" INSPECTION CHAMBERS.

WITH HEAVY WROUGHT-IRON BRIDLE, GUN-METAL SCREWS AND LIFTING RINGS.

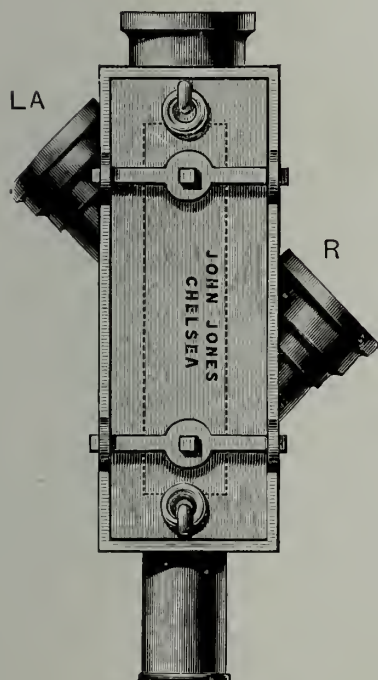
SCALE: 1 IN. TO 1 FT.



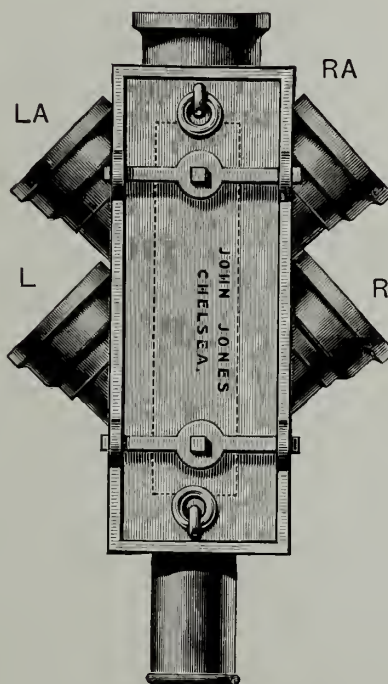
No. 250.



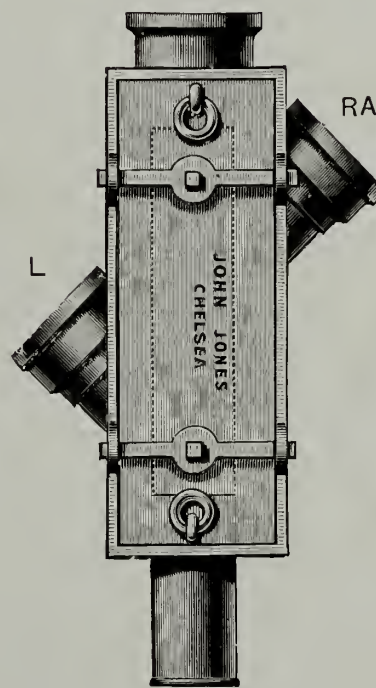
No. 253.



No. 254.



No. 258.



No. 255.

PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches ...	4	5 × 4	5	6 × 4	6
250	Inspection Chamber, complete with Double Cover, Heavy Wrought-iron Bridle, Gun-metal Screws and Lifting Rings, Plain ...	47/3	—	59/-	—	68/3
253	Do. do. with ONE Branch on one side, L or R...	55/6	—	67/3	—	77/6
258	Do. do. with TWO Branches on one side, as lettered	84/-	—	99/9	—	118/6
259	Do. do. with THREE Branches on one side ...	126/6	—	157/6	—	178/6

Prices are for Inspection Chambers with Branches and Standard Angles, 90°, 95°, 112°, and 135°; stocked only at 135°.

For Prices of additional and variable angle Inlet Branches, Bent Inlets or Outlets, &c., see page 37.

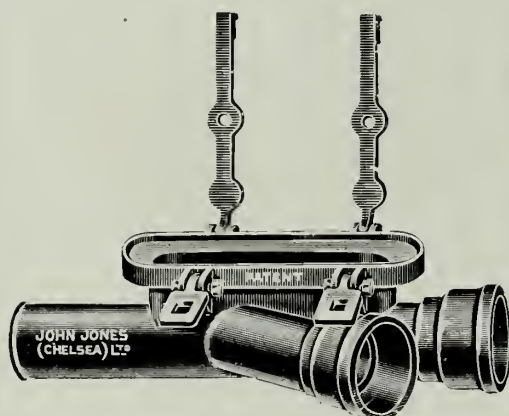
Inspection Chambers with a greater number of Inlets, cast to order.



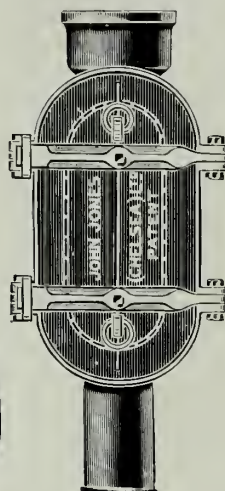
# CAST-IRON "PREMIER" INSPECTION CHAMBERS.

WITH PATENT NON-DETACHABLE BRIDLE AND WASHER.

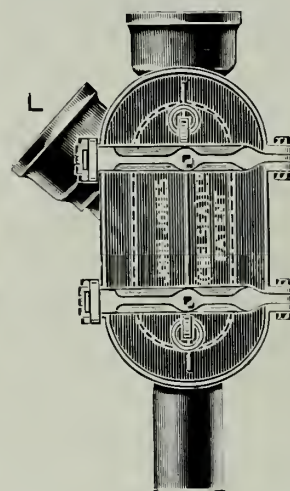
SCALE: 1 IN. TO 1 FT.



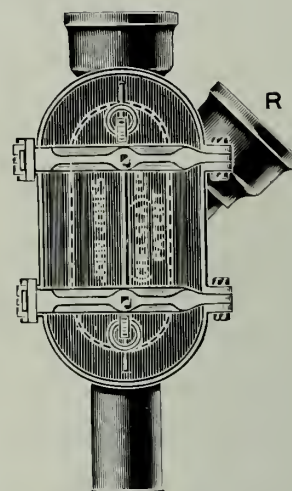
VIEW OPEN.



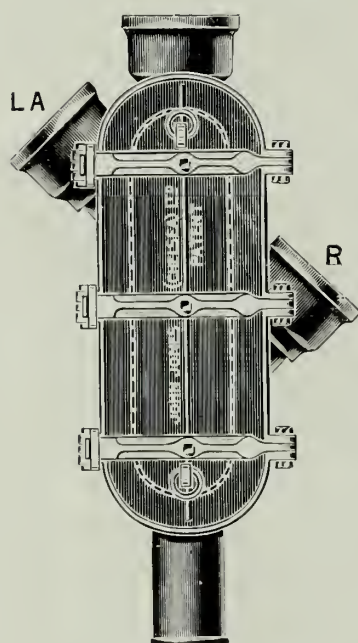
No. 260.



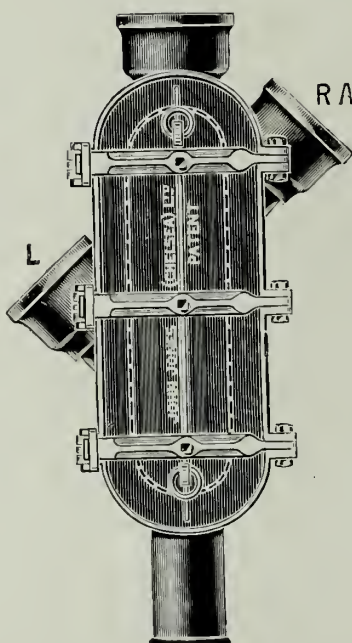
No. 261L.



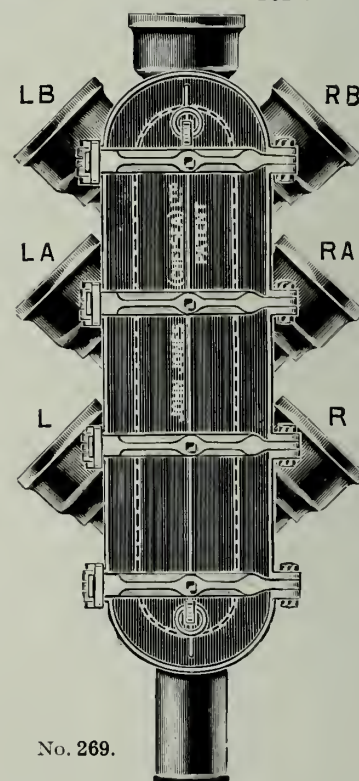
No. 262R.



No. 264.



No. 265.



No. 269.

PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches ...						4	5 × 4	5	6 × 4	6
260	Inspection Chamber, complete with Cover, Patent Non-detachable Bridle and Gun-metal Screw, greased Felt Washer, Plain ...						51/-	—	59/6	—	66/-
261L 261R	Do. with ONE Branch on one side ...						59/6	—	68/9	73/6	80/-
268	Do. with TWO Branches on one side, as lettered ...						89/3	—	107/9	108/-	115/6
269	Do. with THREE Branches on one side, as lettered						113/3	—	136/-	136/6	152/3

Prices are for Inspection Chambers with Branches at Standard Angles, 90°, 95°, 112° and 135°; Stock Angles of Inlets, 135°.

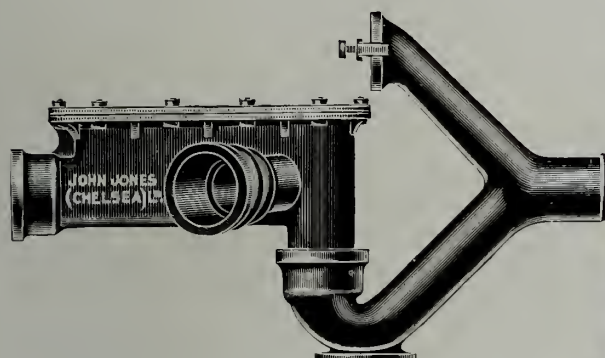
For Prices of additional and variable angle Inlet Branches, Bent Inlets or Outlets, &c., see page 37.

Inspection Chambers with a greater number of Inlets cast to order.

# CAST-IRON INSPECTION CHAMBERS.

WITH WIDE OPENING AFFORDING EASY ACCESS TO BRANCHES (see Section, page 33).

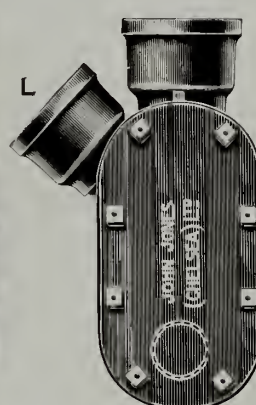
VERTICAL OUTLET AND BOLTED COVERS.



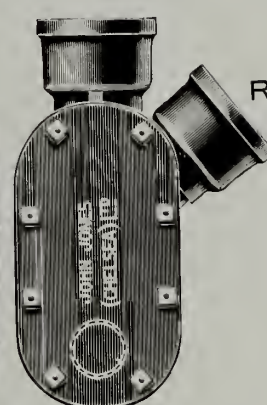
View of Inspection Chamber with Vertical Outlet fitted to No. 323 "Adapta" Interceptor.



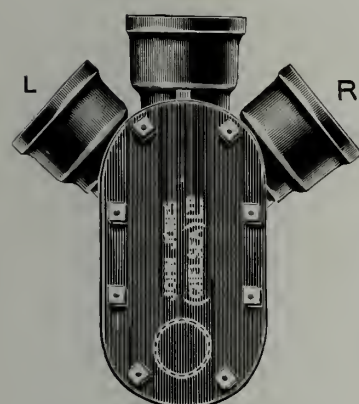
No. 270.



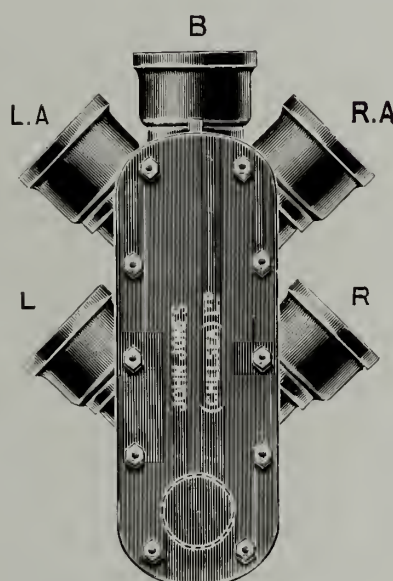
No. 271L.



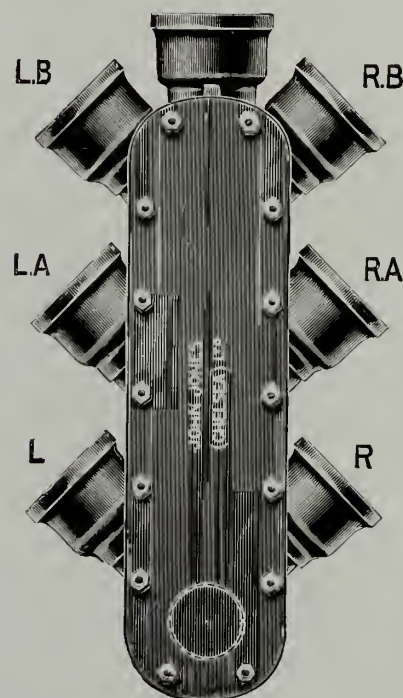
No. 272R.



No. 273 L.R.



No. 278.



No. 279.

PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches ... ..		4	5 × 4	5	6 × 4	6
270	Inspection Chamber, Vertical Outlet, complete with Cover, secured with Galvanized Bolts, Gun-metal Nuts and greased Felt Washer, Plain ... ..		38/-	—	43/9	—	48/6
271L 272R	Do. with ONE Branch on one side ... ..		45/3	52/-	54/3	59/-	64/3
278	Do. with TWO Branches on one side, as lettered		67/3	76/6	79/-	84/-	91/3
279	Do. with THREE Branches on one side, as lettered		87/3	99/3	106/9	109/3	119/9
323	"Adapta" Intercepting Trap ... ..		20/-	—	29/3	—	33/9

Prices are for Inspection Chambers with Branches at Standard Angles, 90°, 95°, 112° and 135°; stocked only at 135°.

For Prices of additional and variable angle Inlet Branches, Bent Inlets or Outlets, &c., see page 37.

Inspection Chambers with a greater number of Inlets, cast to order.

Manganese Bronze Bolts and Gun-metal Nuts strongly recommended at slight extra.



# CAST-IRON INSPECTION CHAMBERS.

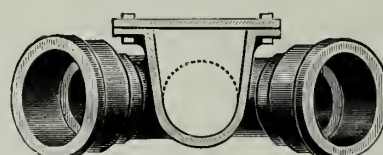
WITH WIDE OPENING AFFORDING EASY ACCESS TO BRANCHES (see Section).

HORIZONTAL OUTLET AND BOLTED COVERS.

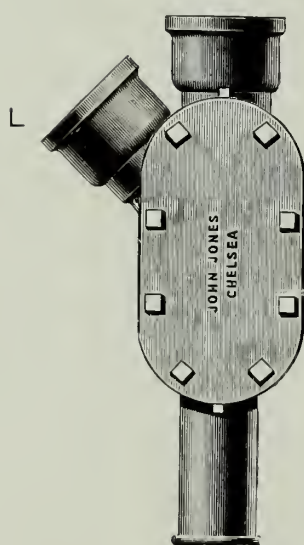
SCALE: 1 IN. TO 1 FT.



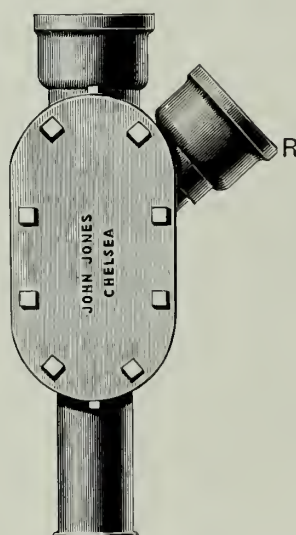
Example No. 280.



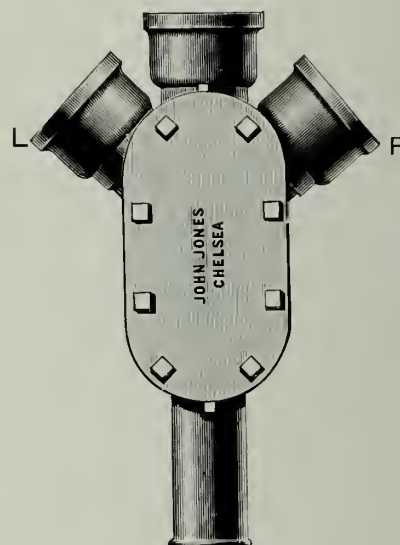
Section.



No. 281L.



No. 282R.



No. 283 L R.

## PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches	...	...	4	5×4	5	6×4	6
280	Inspection Chamber (Horizontal Outlet), complete with Cover secured with Galvanized Bolts, Gun-metal Nuts and Greased Felt Washer, Plain			33/9	—	39/6	—	44/3
281L or 282R	Do.	do.	with ONE Branch on one side	41/-	47/9	50/-	54/9	60/-

Prices are for **Inspection Chambers** with Branches at Standard Angles, 90°, 95°, 112° and 135°; stocked only at 135°.

For Prices of additional and variable angle **Inlet Branches, Bent Inlets or Outlets, &c.**, see page 37.

**Inspection Chambers** with a greater number of Inlets cast to order.

**Manganese Bronze Bolts and Gun-metal Nuts** strongly recommended at slight extra.

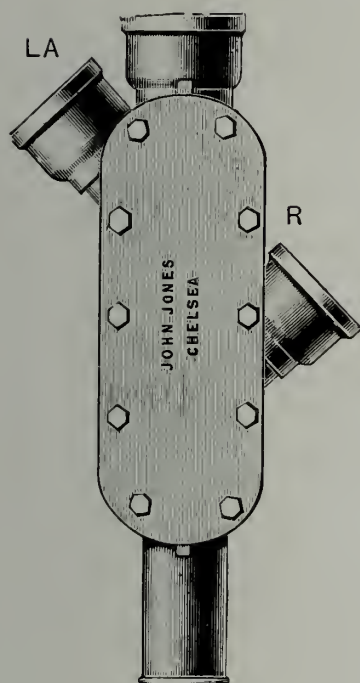


# CAST-IRON INSPECTION CHAMBERS.

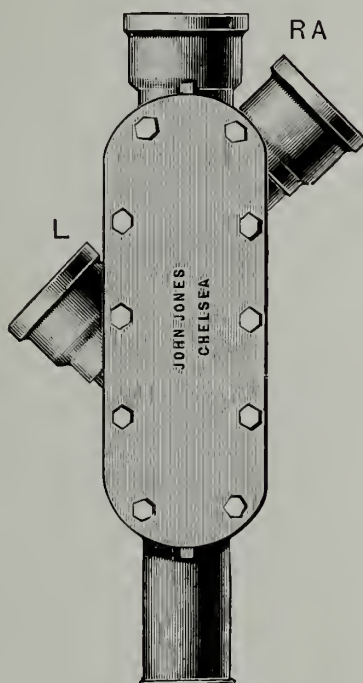
WITH WIDE OPENING AFFORDING EASY ACCESS TO BRANCHES (see Section, page 33).

HORIZONTAL OUTLET AND BOLTED COVERS.

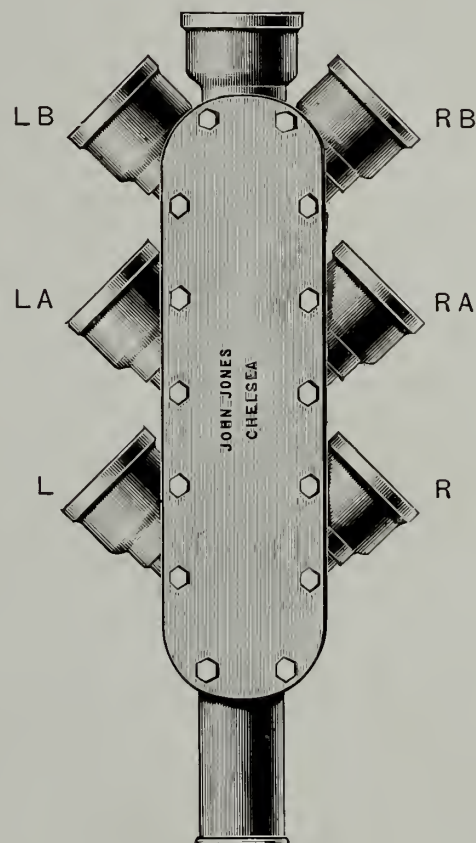
SCALE: 1 IN. TO 1 FT.



No. 284.



No. 285.



No. 289.

## PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches ... ..	4	5×4	5	6×4	6
288	Inspection Chamber (Horizontal Outlet), complete with Cover secured with Galvanized Bolts, Gun-metal Nuts and Greased Felt Washer, with <b>TWO</b> Branches on one side, as lettered ... ..	63/-	72/3	74/9	79/9	87/-
289	Do. do. with <b>THREE</b> Branches on one side, as lettered ... ..	83/-	95/-	102/6	105/-	115/6

Prices are for **Inspection Chambers** with Branches at Standard Angles, 90°, 95°, 112° and 135°; stocked only at 135°.

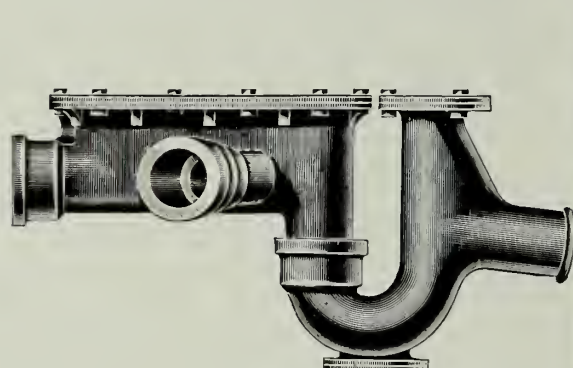
For Prices of additional and variable angle **Inlet Branches, Bent Inlets or Outlets, &c.**, see page 37.

**Inspection Chambers** with a greater number of Inlets cast to order.

**Manganese Bronze Bolts and Gun-metal Nuts** strongly recommended at slight extra.

# CAST-IRON INSPECTION CHAMBERS.

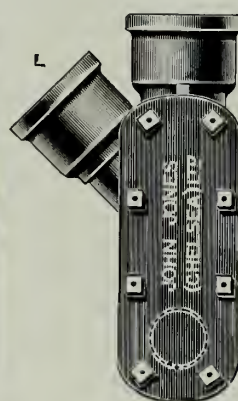
WITH VERTICAL OUTLET AND BOLTED COVERS.



View of Inspection Chamber with Vertical Outlet fitted to No. 324 Access Trap.



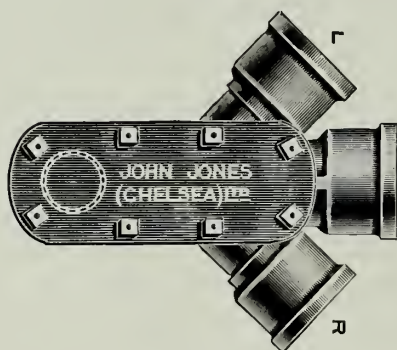
No. 290.



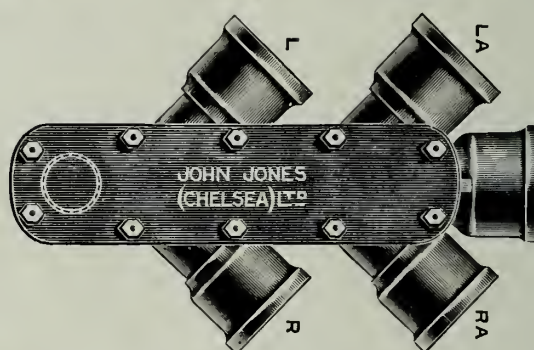
No. 291L.



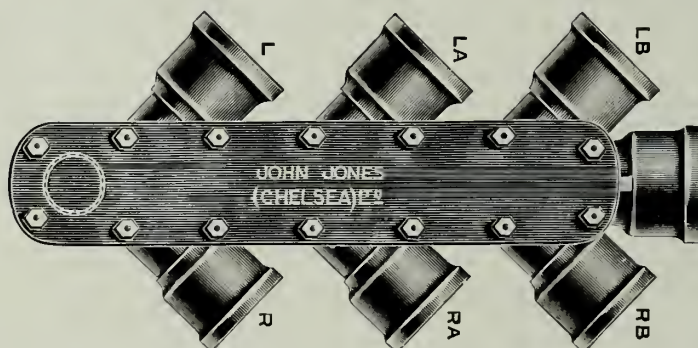
No. 292R.



No. 293 L.R.



No. 298.



No. 299.

## PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches ... ..					4	5×4	5	6×4	6
290	Inspection Chamber (Vertical Outlet), complete with Cover, secured with Galvanized Bolts, Gun-metal Nuts and Greased Felt Washer, Plain					32/9	—	38/-	—	41/-
291L. 292R.	Do.	do.	with ONE Branch on one side	...	...	38/9	44/-	47/6	48/6	53/9
298	Do.	do.	with TWO Branches on one side, as lettered	...	...	59/-	63/3	67/3	69/-	77/9
299	Do.	do.	with THREE Branches on one side, as lettered	...	...	72/6	77/9	83/-	85/3	98/9
324	Access Intercepting Trap ... ..					27/6	—	36/9	—	42/-

Prices are for Inspection Chambers with Branches at Standard Angles, 90°, 95°, 112° and 135°; stocked only at 135°.

For Prices of additional and variable angle Inlet Branches, Bent Inlets or Outlets, &c., see page 37.

Inspection Chambers with a greater number of Inlets cast to order.

Manganese Bronze Bolts and Gun-metal Nuts strongly recommended at slight extra.



# CAST-IRON INSPECTION CHAMBERS.

WITH HORIZONTAL OUTLET AND BOLTED COVERS.



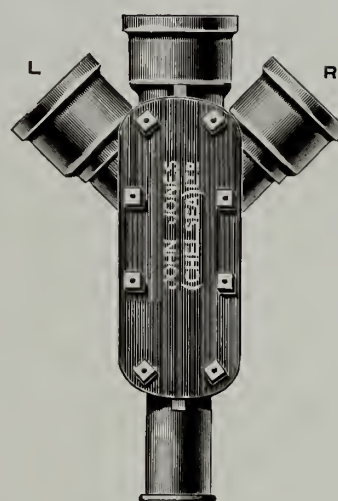
No. 300.



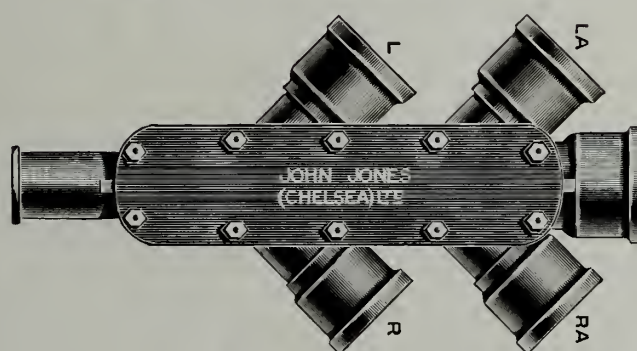
No. 301L.



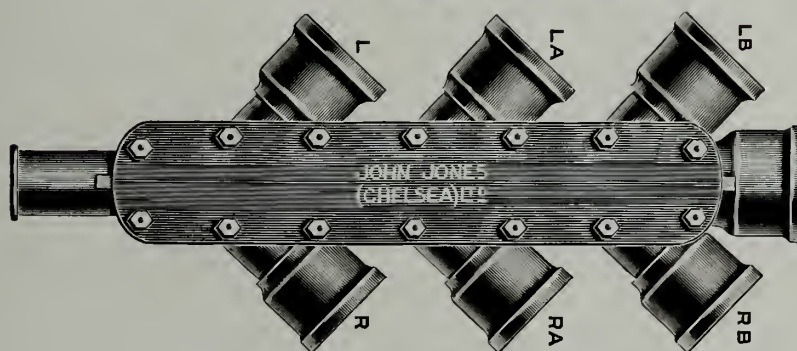
No. 302R.



No. 303L,R.



No. 308.



No. 309.

PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches ... ..					4	5×4	5	6×4	6
300	Inspection Chamber (Horizontal Outlet), complete with Cover, secured with Galvanized Bolts, Gun-metal Nuts and Greased Felt Washer Plain					28/6	—	33/9	—	36/9
301L 302R	Do.	do.	with ONE Branch on one side ... ..	...	...	34/6	39/9	43/3	44/3	49/6
308						54/9	59/-	63/-	64/9	73/6
309	Do.	do.	with THREE Branches on one side, as lettered ...	...	...	68/3	73/6	78/9	81/-	94/6

Prices are for Inspection Chambers with Branches at Standard Angles, 90°, 95°, 112° and 135°; stocked only at 135°.

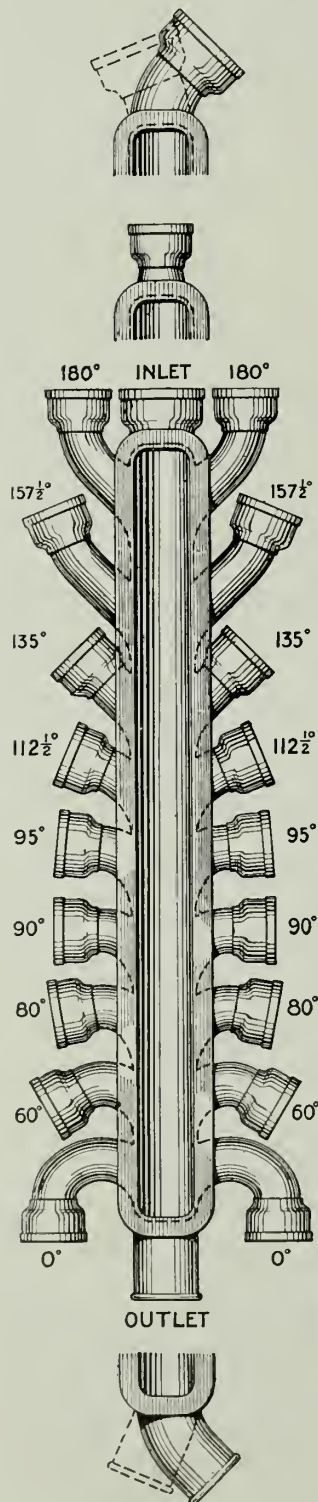
For Prices of additional and variable angle Inlet Branches, Bent Inlets or Outlets, &c., see page 37.

Inspection Chambers with a greater number of Inlets cast to order.

Manganese Bronze Bolts and Gun-metal Nuts strongly recommended at slight extra.



# EXTRAS TO CAST-IRON INSPECTION CHAMBERS.



Standard Angles of Branches shewn on pages 30—36 are 90°, 95°, 112½° and 135°. Additional Branches may be cast on at same Angles as indicated by the distinctive letters at prices given below.

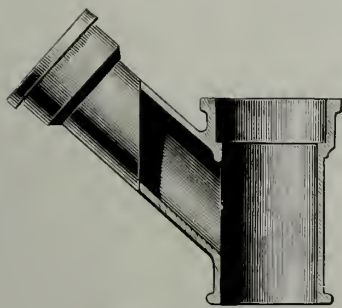
Any variation from standard Angle is charged extra to the price of Standard Angle Branch.

Diameter of Branch (inches)	...	...	4	5	6
Main Inlet, bent to order, extra ...	...	...	10/6	10/6	10/6
Main Inlet, diminished to order, extra ...	...	...	10/6	10/6	10/6
Branches flatter than 135°, extra	...	...	7/6	7/6	7/6
Standard Angle, 135°, Stock Pattern	...	...	8/3	9/6	10/6
Branches between 135° and 112°, extra	...	...	5/3	5/3	5/3
Standard Angle, 112½°	...	...	8/3	9/6	10/6
Branches between 112° and 95°, extra	...	...	5/3	5/3	5/3
Standard Angle, 95°	...	...	8/3	9/6	10/6
Branches between 95° and 90°, extra	...	...	5/3	5/3	5/3
Standard Angle, 90°	...	...	8/3	9/6	10/6
Reverse Branches between 90° and 80°, extra...	...	...	8/-	8/6	8/6
Reverse Branches under 80° to 0°, ordinary radius, extra	...	...	10/6	10/6	10/6
Main Outlet, bent to order, extra	...	...	10/6	10/6	10/6

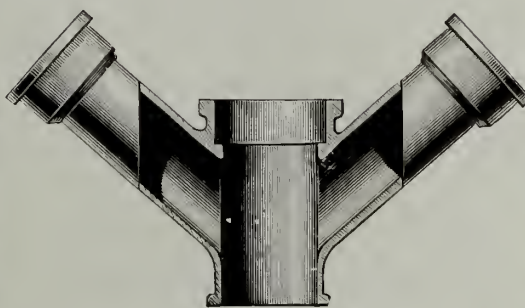
# CAST-IRON CHANNEL BENDS,

FOR INSPECTION CHAMBERS.

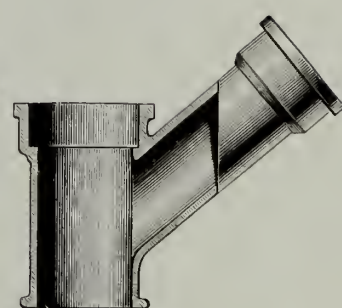
Registered No. 381,429.



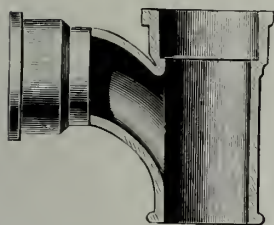
No. 310 L. 135°.



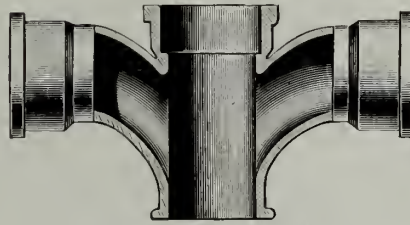
No. 310 LR. 135°.



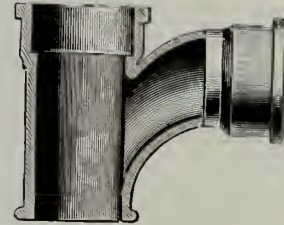
No. 310 R. 135°.



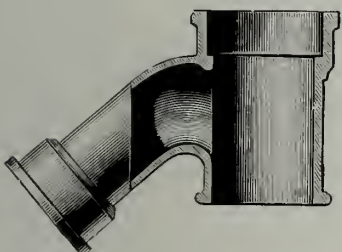
No. 311 L. 90°.



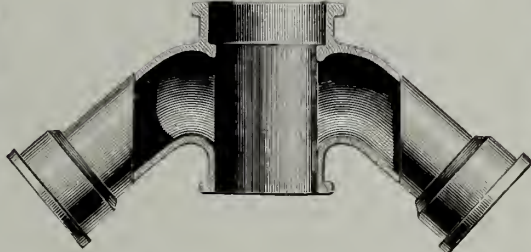
No. 311 LR. 90°.



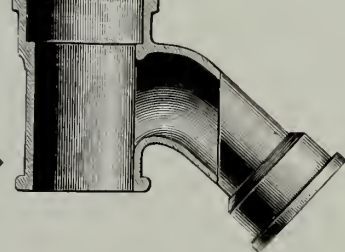
No. 311 R. 90°.



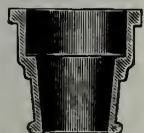
No. 312 L. 45°.



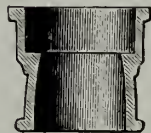
No. 312 LR. 45°.



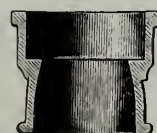
No. 312 R. 45°.



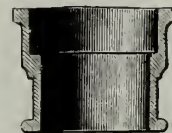
No. 313 A. 5 in. to 4 in.



No. 313 B. 4 in. to 5 in.



No. 313 C. 5 in. to 6 in.



No. 313 D. 5 in. equal.

NOTE.—Standard, 5 in. Main Channel with 4 in. Inlets.

PRICES (Coated with Dr. Angus Smith's Solution).

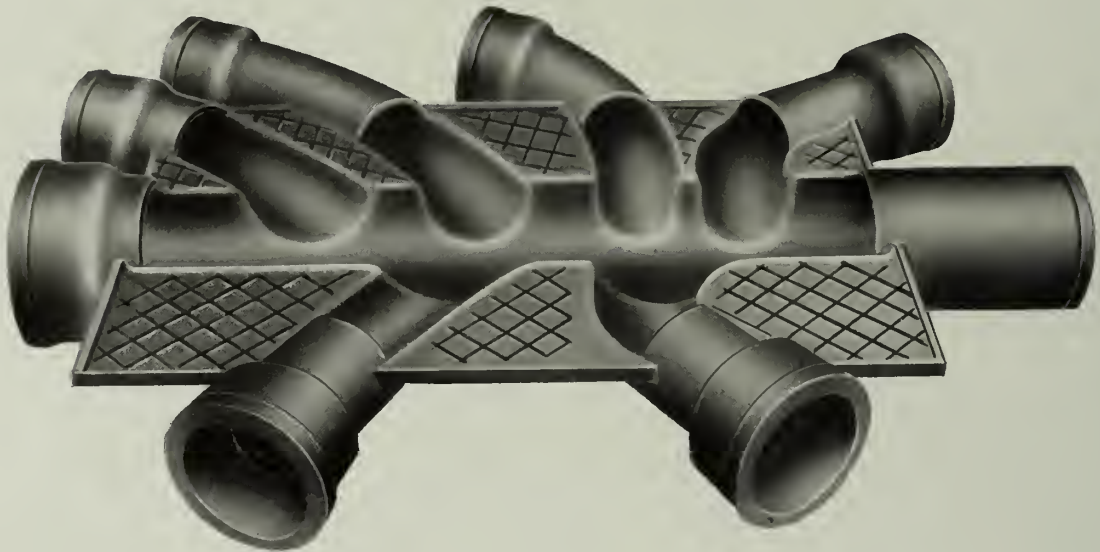
No.											Each.
310 L	Left Hand	...	...	...	...	...	...	...	...	...	8/-
310 LR	Left and Right Hand	...	...	...	...	...	...	...	...	...	13/-
310 R	Right Hand	...	...	...	...	...	...	...	...	...	8/-
311 L	Left Hand	...	...	...	...	...	...	...	...	...	8/-
311 LR	Left and Right Hand	...	...	...	...	...	...	...	...	...	13/-
311 R	Right Hand	...	...	...	...	...	...	...	...	...	8/-
312 L	Left Hand	...	...	...	...	...	...	...	...	...	8/-
312 LR	Left and Right Hand	...	...	...	...	...	...	...	...	...	13/-
312 R	Right Hand	...	...	...	...	...	...	...	...	...	8/-
313 A	4 in. to 5 in. Taper Piece	...	...	...	...	...	...	...	...	...	2/-
313 B	5 in. to 4 in. „	...	...	...	...	...	...	...	...	...	2/-
313 C	5 in. to 6 in. „	...	...	...	...	...	...	...	...	...	2/8
313 D	5 in. Equal Piece, 6 in. long	...	...	...	...	...	...	...	...	...	2/4
313 E	5 in. „ 9 in. „	...	...	...	...	...	...	...	...	...	3/-
313 F	5 in. „ 12 in. „	...	...	...	...	...	...	...	...	...	3/8

For CAST-IRON HALF ROUND CHANNELS, see page 11.

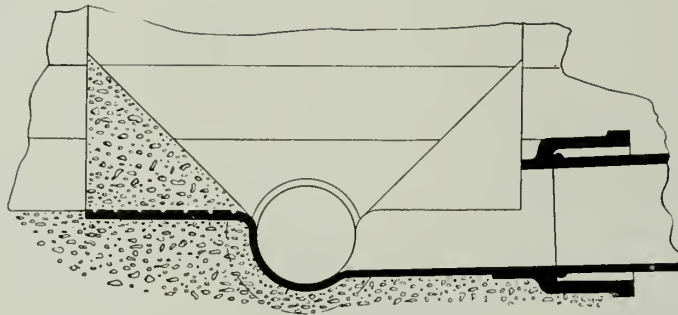
# CAST-IRON INSPECTION CHAMBERS.

SPECIALLY SMOOTH SURFACE INSIDE.

COATED WITH DR. ANGUS SMITH'S SOLUTION OR PART GLASS ENAMELLED INSIDE.



No. 314.



CROSS SECTION, SCALE  $1\frac{1}{2}$  IN. TO 1 FOOT.

The **Inspection Chambers** are made in **ONE CASTING**, in lengths varying according to the number of Branch Inlets required, or of a standard size.

The Branch Inlets and Main Channel are three-quarters of diameter in depth  
Cement Concrete Benchings are formed on ribbed or roughened surface, as illustrated.

PRICES QUOTED ON APPLICATION.



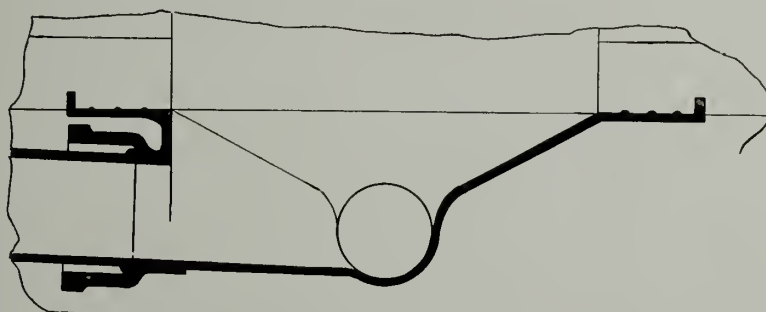
# PATENT CAST-IRON INSPECTION CHAMBERS.

SPECIALLY SMOOTH SURFACE INSIDE.

COATED WITH DR. ANGUS SMITH'S SOLUTION OR GLASS ENAMELLED INSIDE.



No. 315.



CROSS SECTION, SCALE  $1\frac{1}{2}$  IN. TO 1 FT.

These **Patent Inspection Chambers** are made in **ONE CASTING**, in lengths varying according to the number of Branch Inlets required.

The Branch Inlets are connected to the main channel by bends formed inside the Chamber with proper benchings, thus affording the fullest opportunity for inspection.

Glazed or other brickwork is formed on the specially constructed flanges and continued to ground level in usual manner.

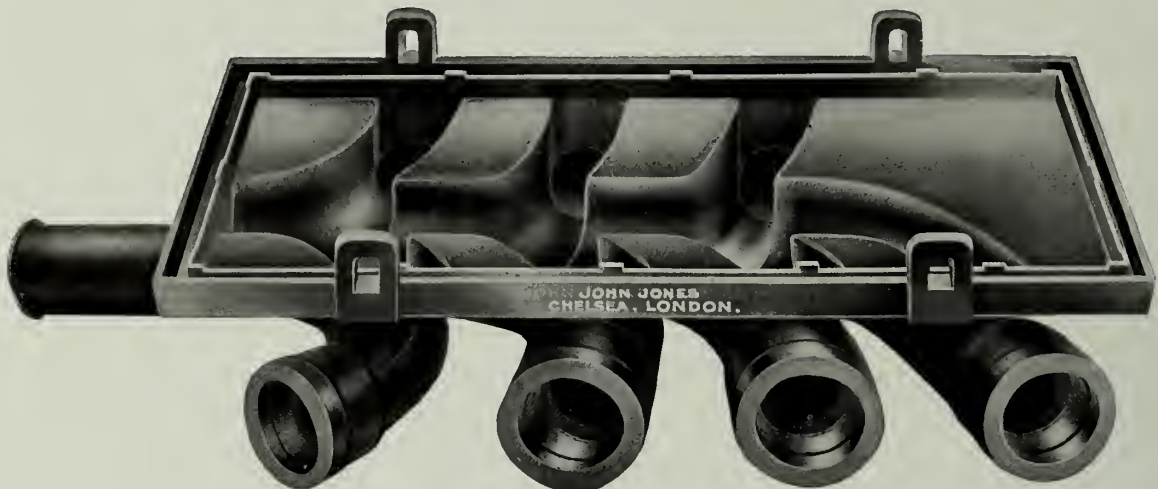
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PRICES QUOTED ON APPLICATION.

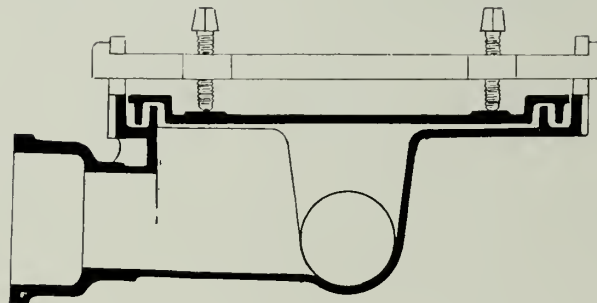
# CAST-IRON INSPECTION CHAMBERS.

SPECIALLY SMOOTH SURFACE INSIDE.

COATED WITH DR. ANGUS SMITH'S SOLUTION OR GLASS ENAMELLED INSIDE.



No. 316.



CROSS SECTION, SCALE  $1\frac{1}{2}$  IN. TO 1 FT.

These **Inspection Chambers** are made in **ONE CASTING**, in lengths varying according to the number of Branch Inlets required.

The Branch Inlets are connected to the main channel by bends formed inside the Chamber with proper benchings, thus affording the fullest opportunity for inspection.

They are made with Sealed Cover, having strong Improved Wrought-iron Bridles and Gun-metal Screws.

Special attention is drawn to the construction of the Top Cover, which is fitted so that all sewage matter passing through Chamber or Branches is confined to its own channel.

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**PRICES QUOTED ON APPLICATION.**

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Works are adapted with Special Plant and numerous Patterns for the rapid production of these Inspection Chambers.

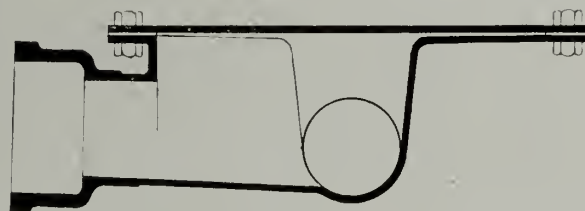
# CAST-IRON INSPECTION CHAMBERS.

SPECIALLY SMOOTH SURFACE INSIDE.

COATED WITH DR. ANGUS SMITH'S SOLUTION OR GLASS ENAMELLED INSIDE.



No. 317.



CROSS SECTION, SCALE  $1\frac{1}{2}$  IN. TO 1 FT.

These **Inspection Chambers** are made in **ONE CASTING**, in lengths varying according to the number of Branch Inlets required.

The Branch Inlets are connected to the main channel by bends formed inside the Chamber with proper benchings, thus affording the fullest opportunity for inspection.

They are made with flanged Cover, having prepared felt washer, which is bolted down by means of galvanized bolts and gun-metal nuts.

Special attention is drawn to the construction of the Top Cover, which is fitted so that all sewage matter passing through Chamber or Branches is confined to its own channel.

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**PRICES QUOTED ON APPLICATION.**

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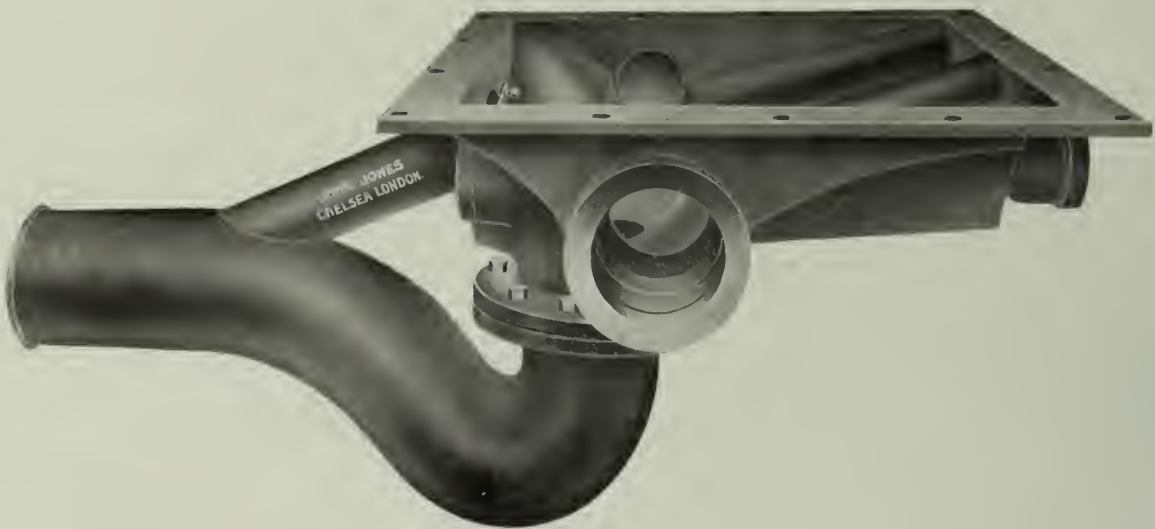
Works are adapted with Special Plant and numerous Patterns for the rapid production of these  
**Inspection Chambers.**



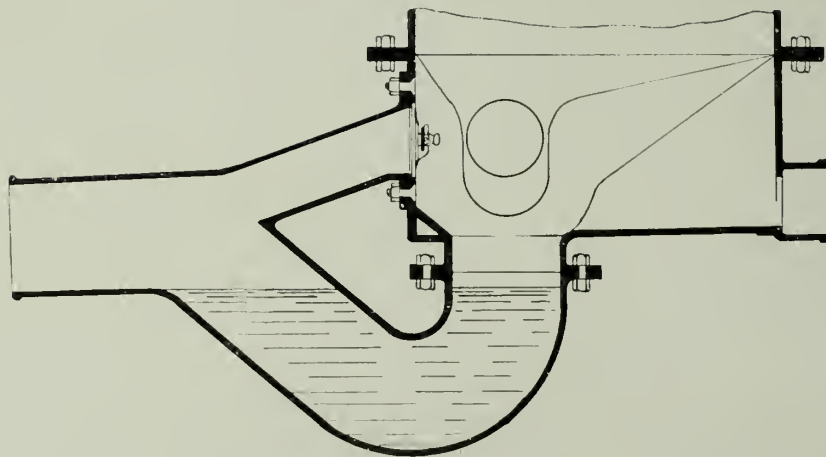
# CAST-IRON INTERCEPTING CHAMBERS.

SPECIALLY SMOOTH SURFACE INSIDE.

COATED WITH DR. ANGUS SMITH'S SOLUTION OR GLASS ENAMELLED INSIDE.



No. 318.



SECTION, SCALE  $\frac{1}{4}$  IN. TO 1 FT.

The above illustrates an example of the **Intercepting Chambers** recently supplied to the New War Office Whitehall, New Admiralty Extension Buildings, and various other Public Buildings.

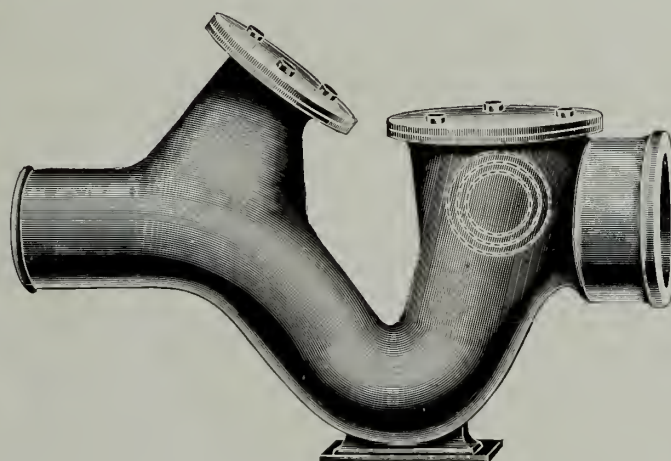
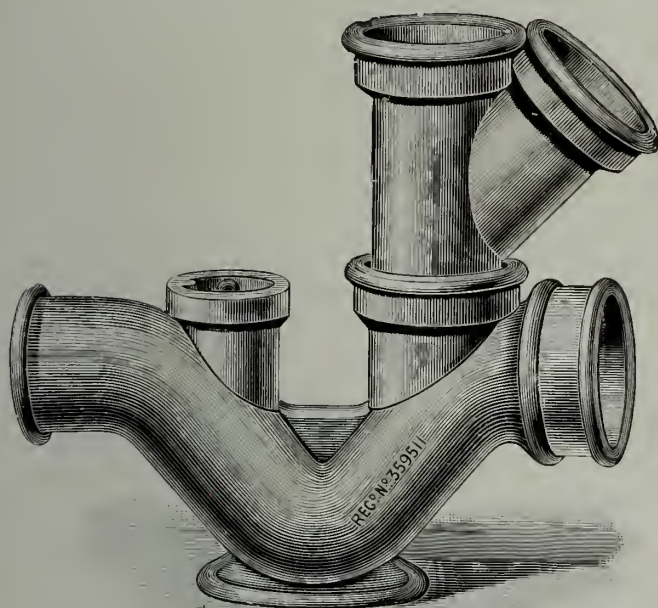
Various other patterns have been undertaken for Public and Private Buildings with satisfactory results, and enquiries are solicited for this special class of work.

PRICES QUOTED ON APPLICATION.

# CAST-IRON INTERCEPTING TRAPS.

SPECIALLY SMOOTH SURFACE INSIDE.

COATED WITH DR. ANGUS SMITH'S SOLUTION OR GLASS ENAMELLED INSIDE.



No. 320. With Cascade.

„ 321. Without Cascade.

Square or Angular Vent Pieces, extra.

No. 322 Plain, without F.A. Inlet Socket.

„ 322L. With Left-hand do.

„ 322R. With Right-hand do.

## PRICES (Coated with Dr. Angus Smith's Solution).

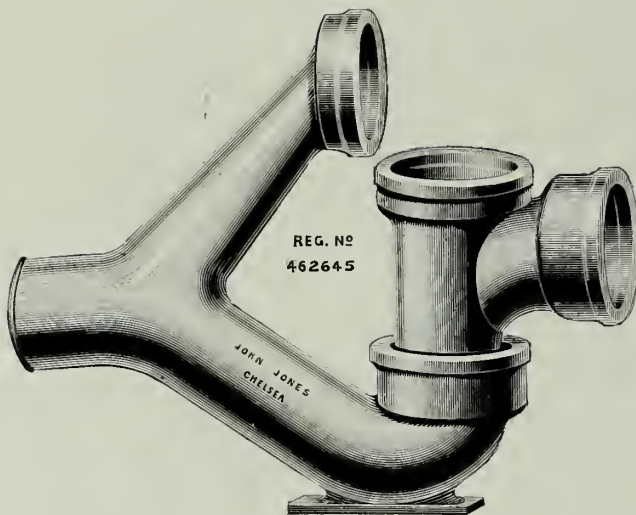
No.	Diameter, inches ... ..				4	4 × 6	6
320	Intercepting Trap (Regd.), with 2½ in. Cascade ...				18/9	—	39/-
321	Do.	do.	without	do. ...	18/9	—	39/-
322	Do., with Access Arms, Covers, Bolts and Nuts, Plain				27/3	29/9	50/3
322L	Do.	do.	do.	and Left-hand Socket	39/-	42/-	56/9
322R	Do.	do.	do.	and Right-hand Socket	39/-	42/-	56/9
	Extra for Square Vent Inlet Piece for Nos. 320, 321				6/-	—	11/9
	Do.	Angular	do.	do. do.	7/9	—	12/6

For CLEARING ARM STOPPERS, see page 44.

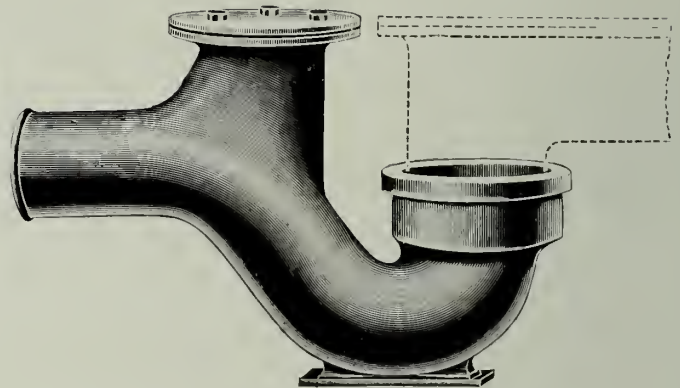
# CAST-IRON INTERCEPTING TRAPS.

SPECIALLY SMOOTH SURFACE INSIDE.

COATED WITH DR. ANGUS SMITH'S SOLUTION OR GLASS ENAMELLED INSIDE.



No. 323. "Adapta" Trap, Plain.  
 „ 323A. Do. with 1 Inlet Piece.  
 „ 323B Do. „ 2 Inlet Pieces.



No. 324. "Access" Trap,  
 with Access Arm, Cover,  
 Gun-metal Bolts and Nuts.

## PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches			4	4×6	5	6
323	"Adapta" Intercepting Trap, Plain			20/-	29/3	29/3	33/9
323A	Do.	do.	with 1 Inlet Piece	33/6	42/9	44/3	49/6
323B	Do.	do.	with 2 Inlet Pieces	35/3	44/6	46/-	51/3
324	"Access" do., with Cover, G.M. Bolts and Nuts			27/6	35/6	36/9	42/-

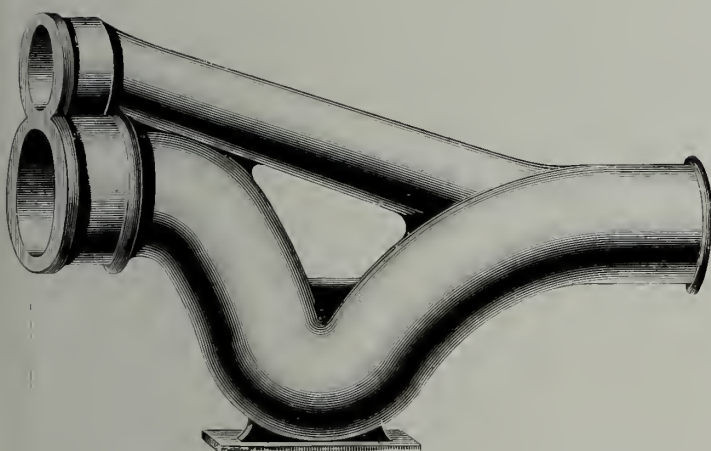
For CLEARING ARM STOPPERS, see page 44.



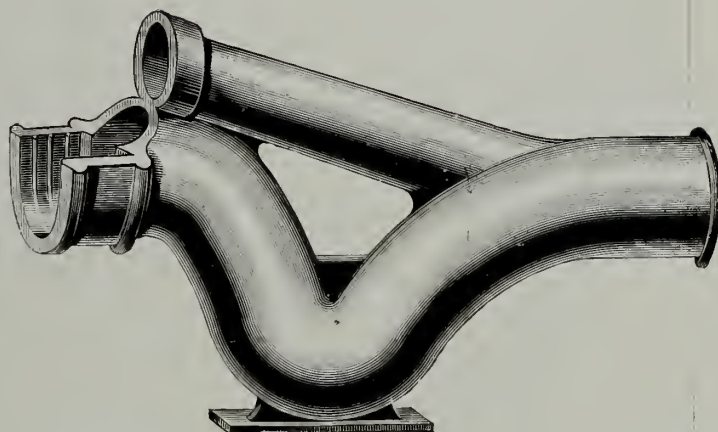
# CAST-IRON INTERCEPTING TRAPS.

SPECIALLY SMOOTH SURFACE INSIDE.

COATED WITH DR. ANGUS SMITH'S SOLUTION OR GLASS ENAMELLED INSIDE.



No. 325. For Iron.

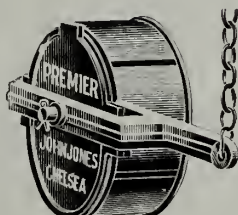


No. 326. For Stoneware Channel.

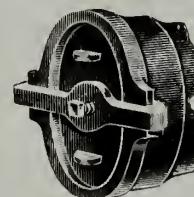
## CLEARING ARM STOPPERS FOR INTERCEPTORS.



No. 329.  
Patent Lever Stopper  
(Brass).



No. 330.  
"Premier" Lever Stopper  
(Galvanized).



No. 331.  
Bridle and Screw  
(Coated).

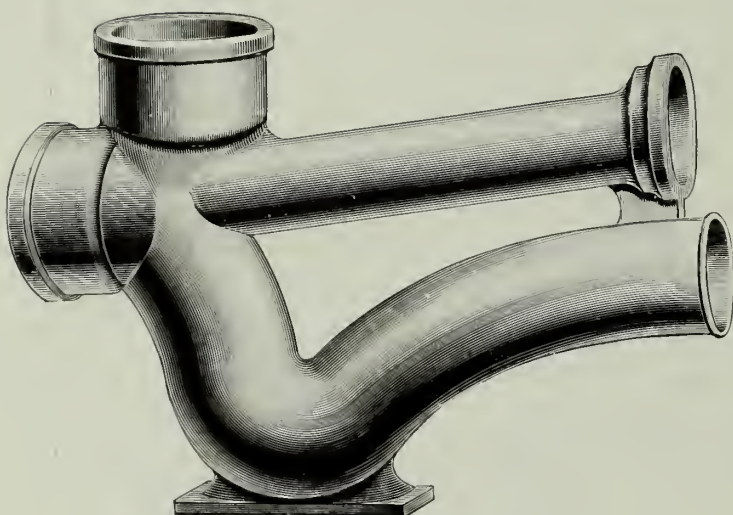
## PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches	...	...	4	5	6	9
325	Intercepting Trap, for Iron	...	...	19/-	21/-	23/3	88/3
326	Do. for Stoneware Channel	...	...	19/-	21/-	23/3	88/3
329	Pat. Lever Stopper (Brass), Extra fitted to Clearing Arm			13/-	13/-	13/-	13/-
330	Premier Lever Stopper (Galvanized)	Do.		6/3	6/3	6/3	6/3
331	Bridle, Screw, Plate and Washer (Coated)	Do.		5/3	5/3	5/3	5/3

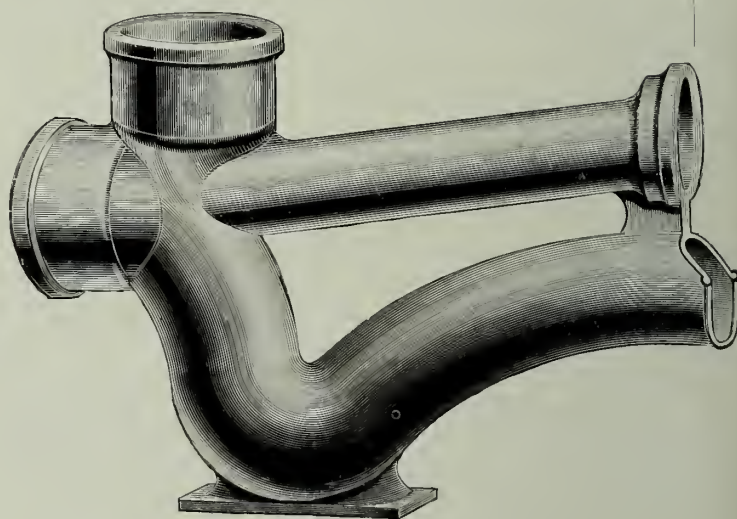
# CAST-IRON INTERCEPTING TRAPS.

SPECIALLY SMOOTH SURFACE INSIDE.

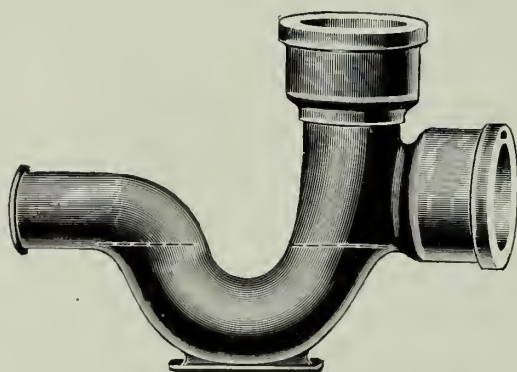
COATED WITH DR. ANGUS SMITH'S SOLUTION OR GLASS ENAMELLED INSIDE.



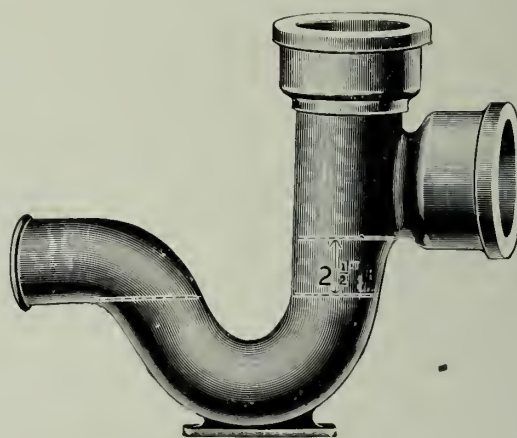
No. 327. Reverse Action, for Iron.



No. 328. Reverse Action, for Stoneware Channel.



No. 332. Without Cascade.



No. 333. With Cascade.

## PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches	...	...	4	5	6	9
327	Intercepting Trap, Reverse Action, for Iron	...		22/3	26/3	28/6	—
328	Do. do., for Stoneware Channel			22/3	26/3	28/6	—
332	Do. without Cascade	...	...	18/-	24/6	32/-	—
333	Do. with 2½ in. Cascade	...	...	18/6	25/-	32/9	—

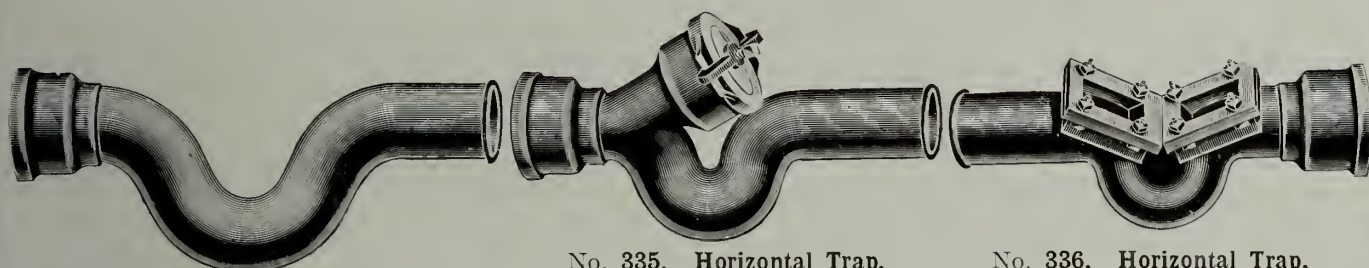
For CLEARING ARM STOPPERS, see page 44.



# CAST-IRON INTERCEPTING TRAPS.

SPECIALLY SMOOTH SURFACE INSIDE.

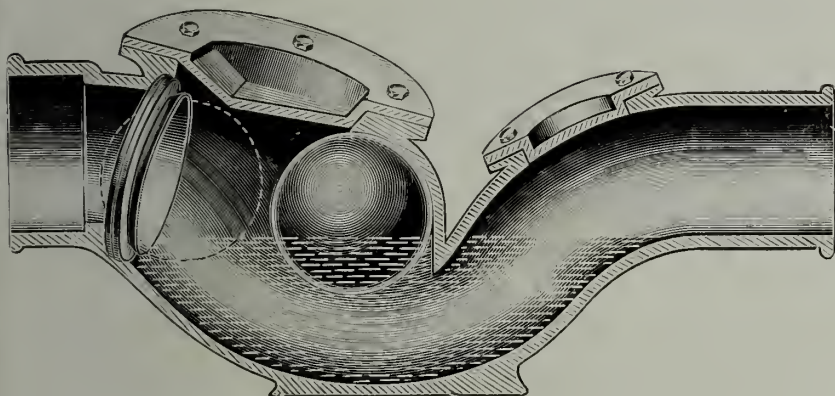
COATED WITH DR. ANGUS SMITH'S SOLUTION OR GLASS ENAMELLED INSIDE.



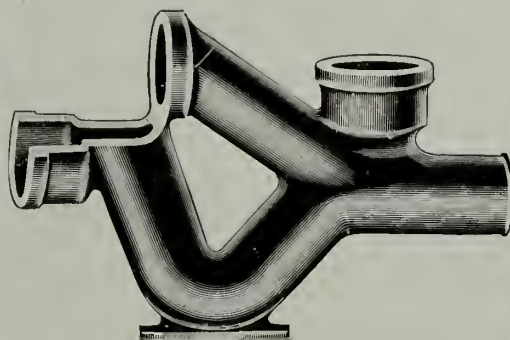
No. 334. Horizontal Trap.

No. 335. Horizontal Trap,  
with Access Socket.

No. 336. Horizontal Trap,  
with Double Access.



No. 337. Anti-flood Ball Trap.



No. 338. For Stoneware Channel,  
and with Vent Socket on Outlet.

## PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches	...	...	4	5	6	9
334	Horizontal Trap, Plain	...	...	9/6	18/-	23/3	—
335	Do., with Access Socket, Plate, Bridle and Screw	...	...	18/9	—	—	—
336	Do., with Double Access Doors, Bolts and Nuts	...	...	28/6	—	—	—
337	Anti-flood Ball Intercepting Trap, complete with Copper Ball, Rubber Seating, &c.	...	...	87/6	—	140/-	224/6
338	Intercepting Trap, for Stoneware Channel, and with Vent Socket on Outlet	...	...	28/6	—	35/-	—

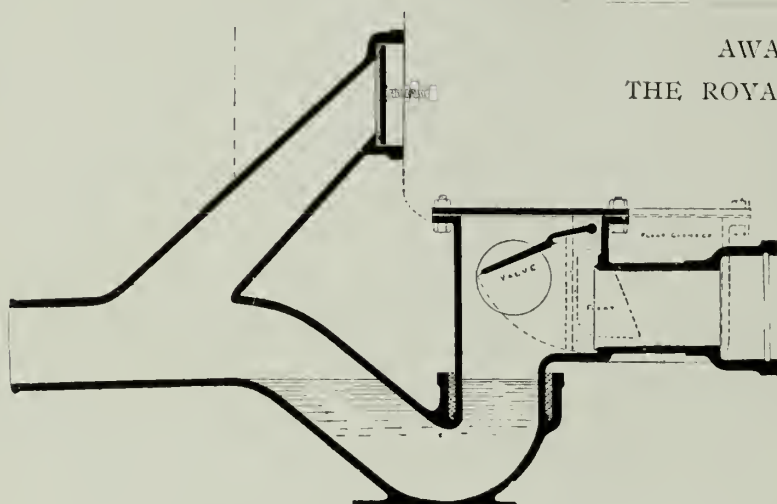
For CLEARING ARM STOPPERS, see page 44.



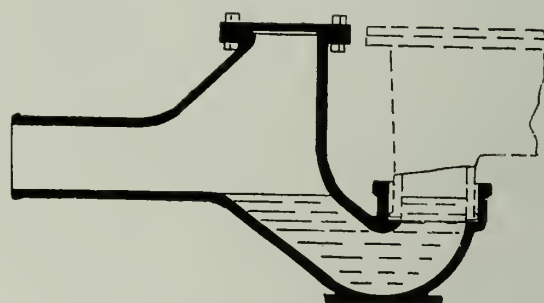
# PATENT "EUREKA" ANTI-FLOODING INTERCEPTORS.

AS SUPPLIED TO LONDON COUNTY COUNCIL AND OTHER PUBLIC BODIES.

AWARDED BRONZE MEDAL,  
THE ROYAL SANITARY INSTITUTE, 1907.



No. 340.



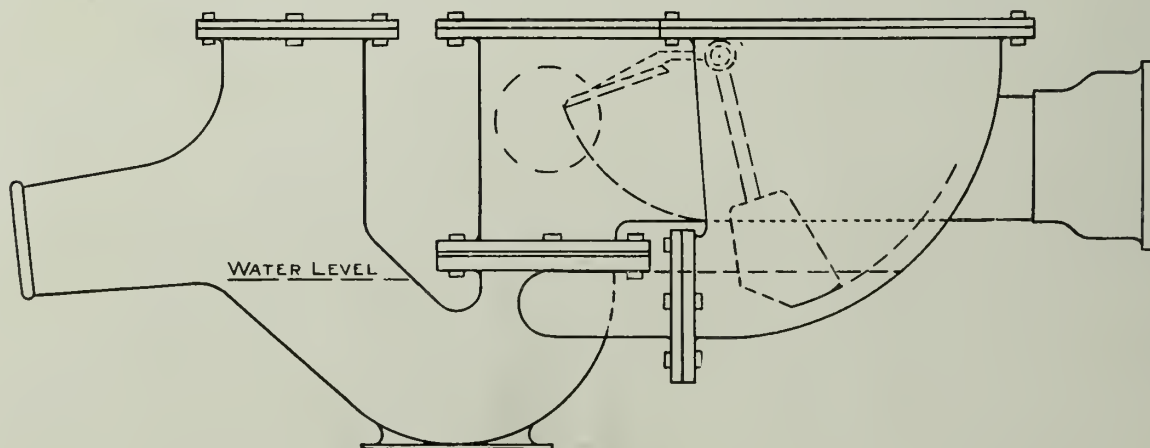
No. 342.

## PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches ... ..	4	4×6	6	9
340	"Eureka" Anti-flooding Valve, complete, top secured with Gun-metal Screws and Washer, and with Interceptor having Clearing Arm fitted with Plate, Washer, Bridle and Screw ... ..	124/6	133/9	164/-	338/3
342	Do. do., with Access Trap, having Clearing Arm, Cover, Bolts and Nuts and Washer ... ..	132/-	141/9	172/3	—

## CAST-IRON "EUREKA" ANTI-FLOODING INTERCEPTOR,

WITH BYE-PASS AT WATER LEVEL OF TRAP TO FLOAT CHAMBER.



No. 345.

## PRICES (Coated with Dr. Angus Smith's Solution).

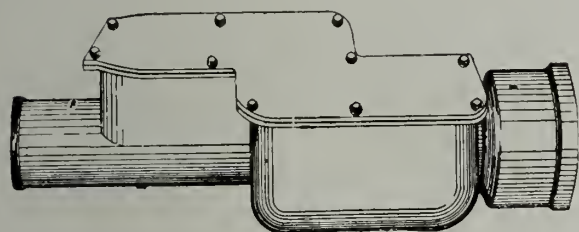
Sizes : 4 in., 162/- ; 6 in., 212/3 each.

# PATENT "EUREKA" ANTI-FLOODING TRUNK VALVE.

FOR DISCONNECTING CHAMBERS, RETAINING CHAMBERS, OR TIDAL OUTFALLS.

AS SUPPLIED TO LONDON COUNTY COUNCIL AND OTHER PUBLIC BODIES.

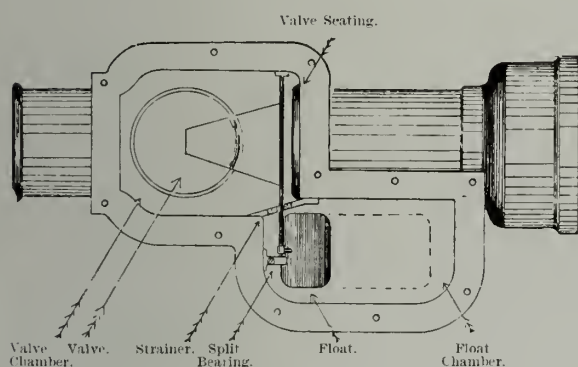
AWARDED BRONZE MEDAL, THE ROYAL SANITARY INSTITUTE, 1907.



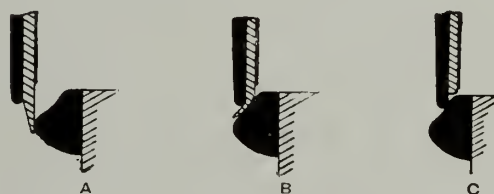
No. 346.



Section of No. 346.



Plan of No. 346.



Section of Part Valve and Seating.

- A** shows the Valve closed and the rubber disc in contact with the seating; should any paper or other obstruction be caught, the rubber will yield at this point, and not prevent contact elsewhere.
- B** shows the Valve under pressure, with no obstruction. It will be seen that the formation of the seating prevents the Valve being jammed
- C** shows the Valve without the rubber. The rubber is used solely as a yielding material for obstructions, its absence does not prevent the Valve from working.

By removing the screw in the split bearing, the Valve and float attachment can be taken out for examination or renewal of the rubber disc, which is secured to the valve plate by a metal plate and screws.

The above Plan and Section illustrate a **Trunk Valve** that can be fixed at any suitable point in a line of drainage, or at the disconnecting chamber. When the disconnecting trap is socket mouthed, the Valve can be connected direct; when open mouthed, the Valve can be connected to the drain entering the chamber.

The drop at the valve seating is only  $\frac{3}{8}$ ths of an inch.

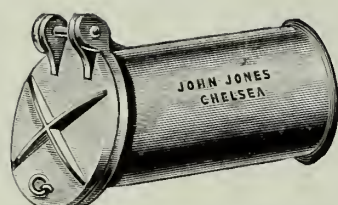
It will be seen that the Valve hangs in a chamber above the drain when working under normal conditions, but upon the flood water rising, the float in the adjoining chamber rises with it and closes the Valve; when the flood water recedes, the float falls and raises the Valve; directly the Valve is opened the water in the upper part of the drain commences to flow and impinges against the valve face, leaving it clean and ready for further action. The float chamber is separated from the valve chamber by a perforated screen; this allows the water to enter, but excludes solids.

No. 346. **Coated Cast-iron Trunk Valve**, with Spigot and Socket, L.C.C. Weight, Bolted Cover and Packing, Aluminium Valve, Spindle, Seating and Bearings, Best Rubber Disc and Japanned Cork Float.

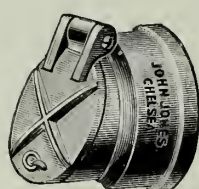
	Sizes	4 in.	6 in.	9 in.
<b>PRICES</b>	...	£4 1 9	£5 5 0	£11 10 0

# CAST-IRON DRAINAGE FITTINGS.

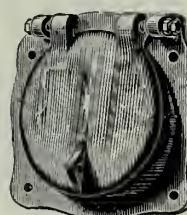
## FLAP VALVES.



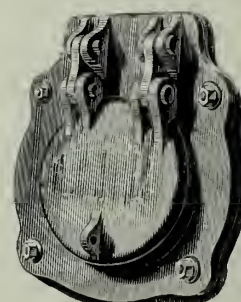
No. 347.



No. 348.

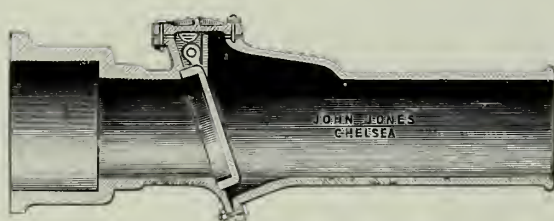


No. 349.



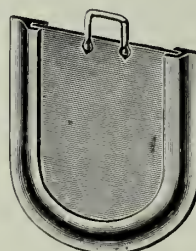
No. 350.

## REFLUX VALVE.

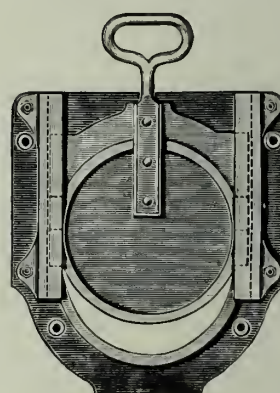


No. 351.

## DISC VALVE.



No. 352.



No. 353.

## HAND SEWAGE VALVE.

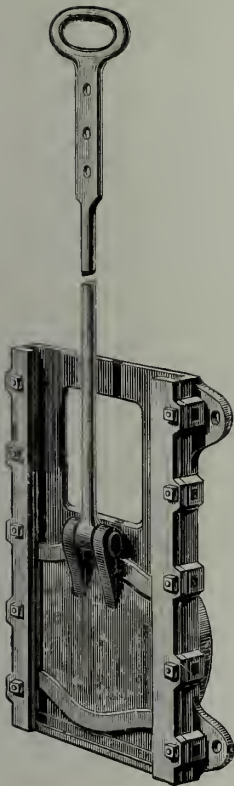
## PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches ... ..	3	4	5	6	9	12	15	18
347	Flap Valve, with Spigot End, Machined Face, Gun-metal Bolts ... each	—	21/-	26/3	36/9	61/3	—	—	—
348	Do. with Socket End do. ... ..	12/2	14/3	22/-	28/6	37/9	—	—	—
349	Do. Light, Single-hinged, Wall Pattern ... ..	—	11/-	12/3	13/3	19/3	25/6	34/-	44/3
350	Do. Heavy, Double-hinged, do. ... ..	—	29/3	36/9	42/-	59/-	79/6	96/-	132/6
351	Reflux Valve, Faces, Hinge and Bushes of Gun-metal ... ..	—	104/-	124/3	148/9	—	—	—	—
352	Disc Valve ... ..	—	11/9	—	17/6	24/6	31/6	38/6	49/-
353	Hand Sewage Valve ... ..	—	27/-	—	36/-	48/-	57/-	75/-	90/-

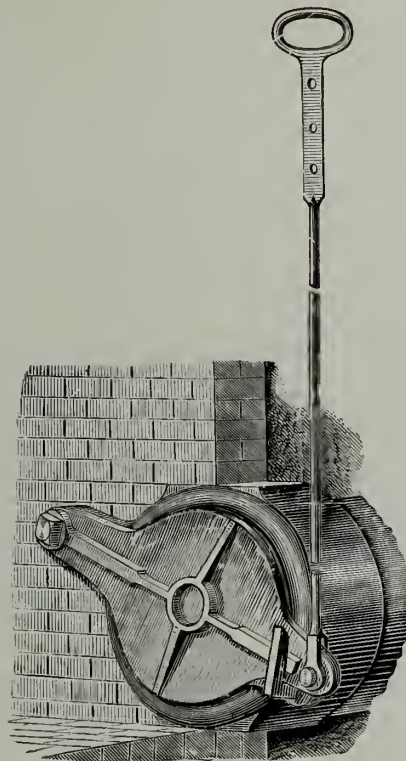


# CAST-IRON DRAINAGE FITTINGS.

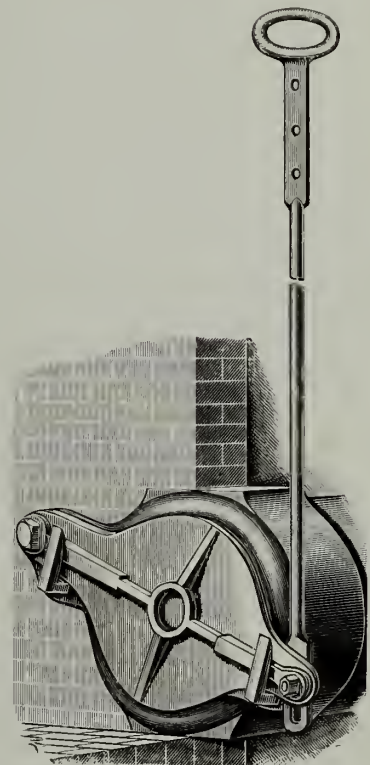
## HAND FLUSHING VALVES.



No. 354.



No. 355.



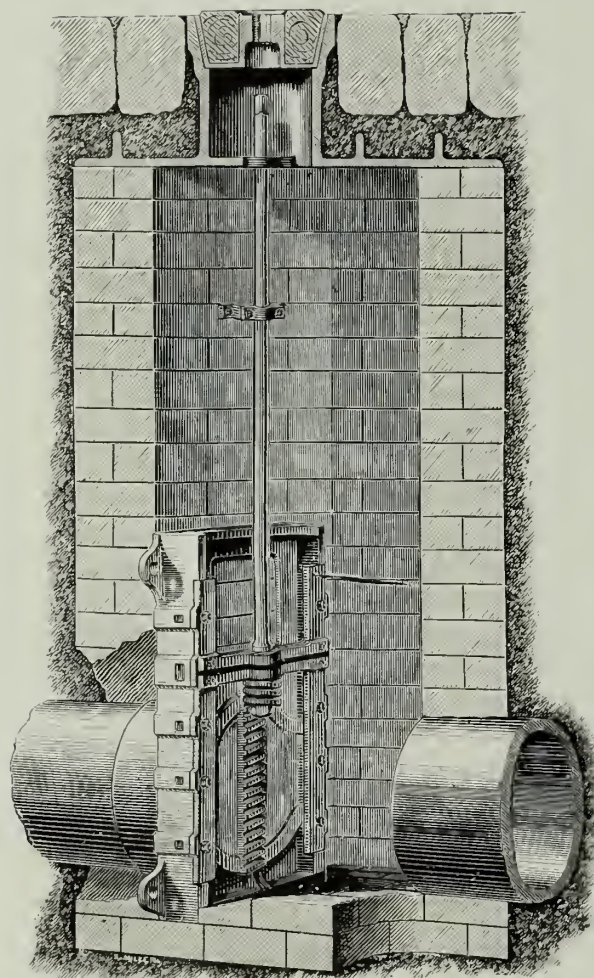
No. 356.

### PRICES (Coated with Dr. Angus Smith's Solution).

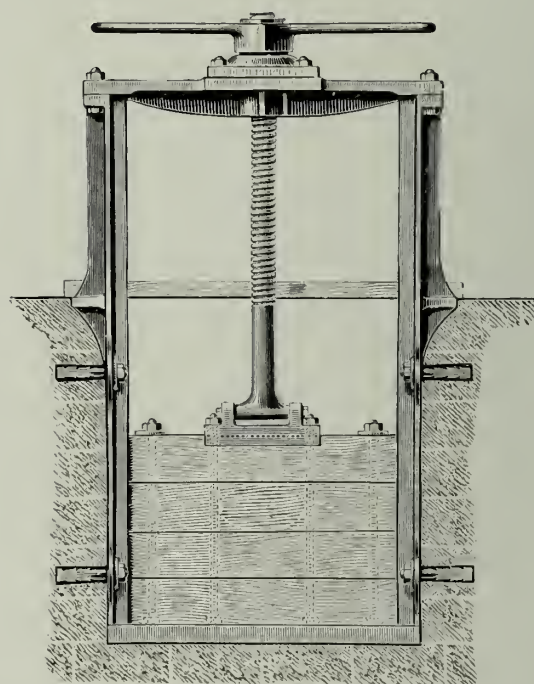
No.	Diameter, inches ... ..			3	4	5	6	9	12	15	18
354	Hand Flushing Valve, Circular Opening			—	51/6	—	66/-	88/3	117/9	162/-	205/9
355	Do.	do.	Single Catch ...	10/6	22/3	25/9	29/3	41/6	53/-	66/-	88/3
356	Do.	do.	Double Catch ...	23/9	27/3	31/3	35/6	46/9	60/3	74/9	98/-

# CAST-IRON DRAINAGE FITTINGS.

## PENSTOCKS.



No. 358.



No. 359.

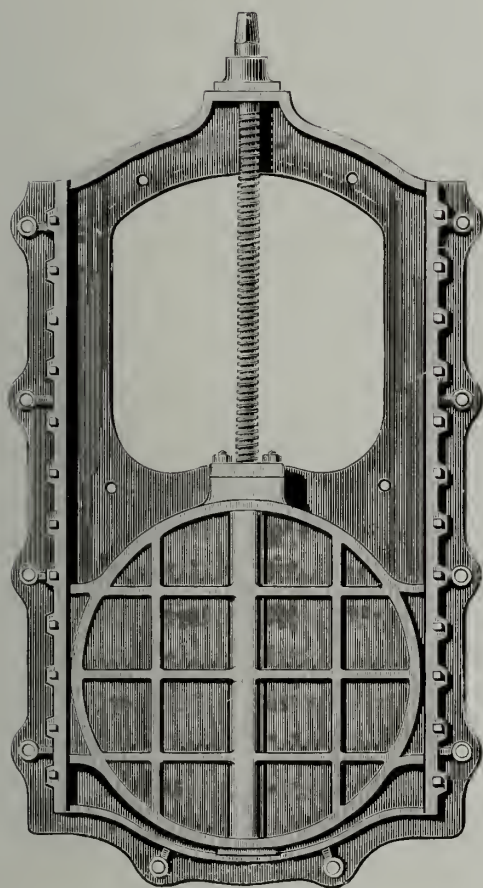
### PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches				6	9	12	15	18	21		
358	Penstock, Circular Opening, Bearings at Worm Bushed with Gun-metal				63/6	102/9	139/6	175/9	201/6	265/-		
	Sizes	ft. 2	ft. 2	ft. 2	ft. 4	ft. in. 6	ft. in. 2	ft. in. 6	ft. 3	ft. 3	ft. 4	ft. 4
359	Penstock, Wooden Door, Cast-iron Guide and Wrought-iron Screw				each	£20 6 0	£28 10 0	£23 8 6	£29 5 9	£26 11 0	£34 7 3	£33 11 9

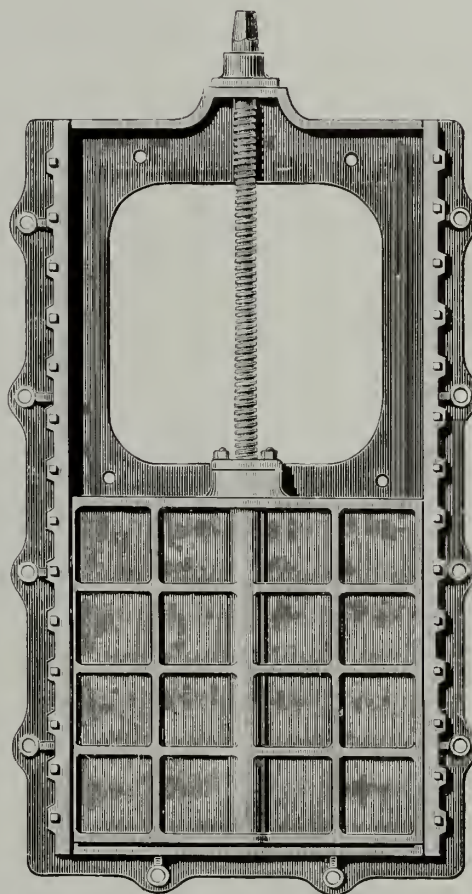


# CAST-IRON DRAINAGE FITTINGS.

## PENSTOCKS.



No. 360.



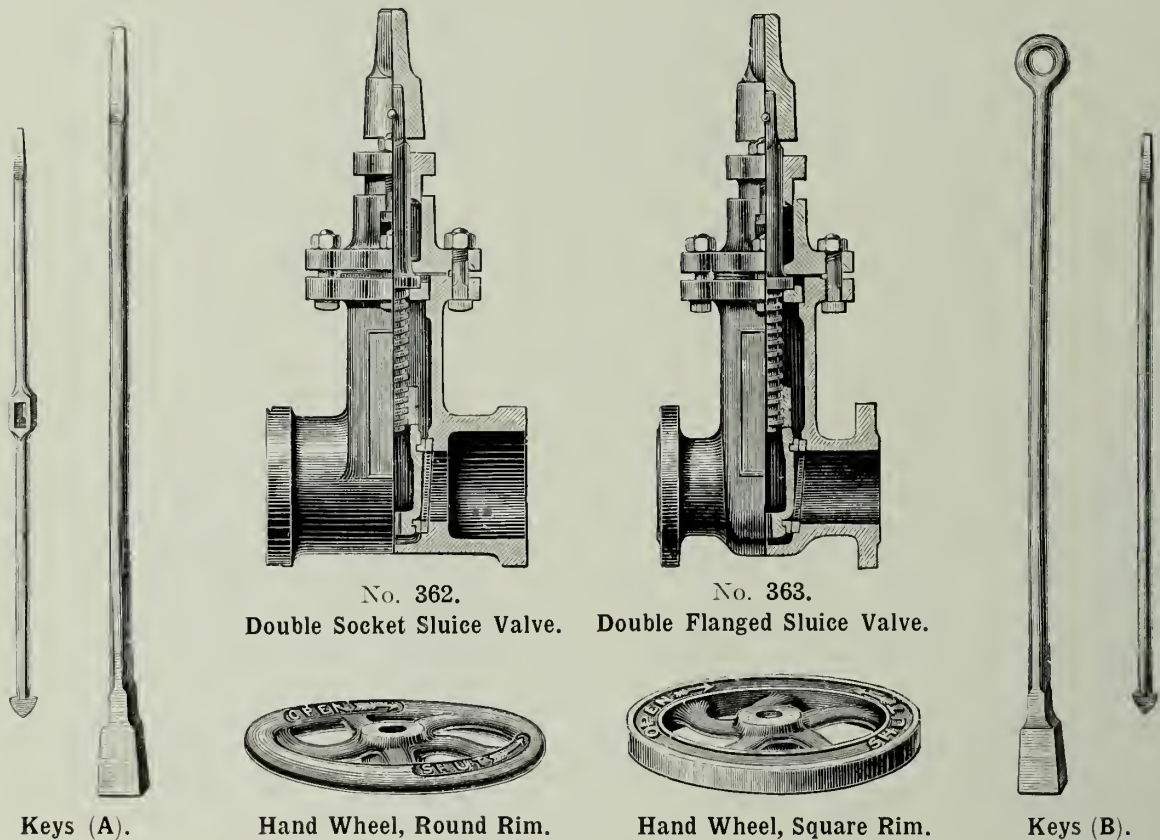
No. 361.

### PRICES (Coated with Dr. Angus Smith's Solution).

No.	Diameter, inches		...	...	12	15	18	21	24	27	30
360	Penstock, Circular Opening, with Wrought-iron Screw and Gun-metal Nut		...	each	147/6	176/6	235/3	294/-	367/6	426/6	500/-
361	Do.	Square Opening	do.	..	---	---	250/-	308/9	382/3	455/6	529/3



# SLUICE VALVES.



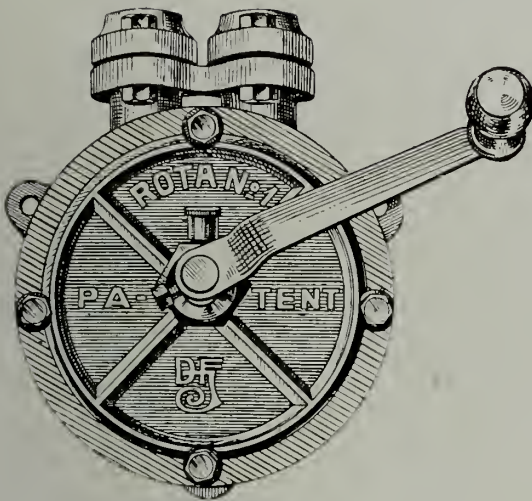
These **Sluice Valves** are of the best construction and workmanship. The materials used in their construction are of first-class quality both as regards Cast-iron, Wrought-iron, and Gun-metal, with a view to durability and efficiency in working. They are all double-faced, both faces being worked to a bearing and proved, after which they are tested under very heavy water pressure.

## PRICES (Coated with Dr. Angus Smith's Solution).

SIZE.	With Four Faces, Screw and Nut of Gun-metal, Flanged or Socket.	With Screw of Wrought- iron, Nut and Four Faces Gun-metal, Flanged or Socket.	Gas or Sewage Valves, Screw of Wrought-iron, Nut and Faces Cast-iron Flanged or Socket.	Extra for Spigot and Socket Short Pieces.	Extra for Hand Wheels fitted unpolished.
2 in.	£1 7 6	£1 5 0	£1 4 0	£0 8 6	£0 3 9
3 in.	1 16 9	1 14 6	1 13 3	0 11 0	0 4 6
4 in.	2 7 9	2 6 0	2 4 3	0 14 9	0 4 9
5 in.	2 19 9	2 16 3	2 13 6	0 19 6	0 4 9
6 in.	4 1 9	3 12 9	3 7 3	1 3 0	0 5 0
7 in.	4 17 0	4 13 0	4 2 0	1 8 9	0 5 0
8 in.	5 15 0	5 5 9	4 13 0	1 14 0	0 6 6
9 in.	6 18 0	6 10 6	5 14 0	1 18 8	0 6 6
10 in.	8 6 6	7 10 9	6 8 9	2 7 9	0 8 9
12 in.	11 5 9	10 12 6	9 3 9	3 6 0	0 8 9
15 in.	21 2 9	18 18 0	17 9 3	5 12 9	1 3 0
18 in.	27 11 3	25 5 6	22 19 5	7 9 0	1 7 7

VALVE KEYS, Bright, 19/6 ; Rough, 15/9 each.

# THE "ROTA" PUMP.



No. 370.

Number of Pump...	0	1	2	3	4	5
Dia. of Pipe in Ins.	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	3
Largest capacity in Gallons per hour by hand power ...	270	390	720	1,050	1,560	3,300
Largest capacity in Gallons per hour by 200 rotations per minute ...	400	700	1,550	2,000	3,700	10,000
No. 370. Rota Pump with Handle ...	72/-	78/9	92/-	125/-	157/6	236/3
Extra for Pump with Fly-wheel or Pulley ...	12/6	12/6	12/6	19/6	19/6	26/3

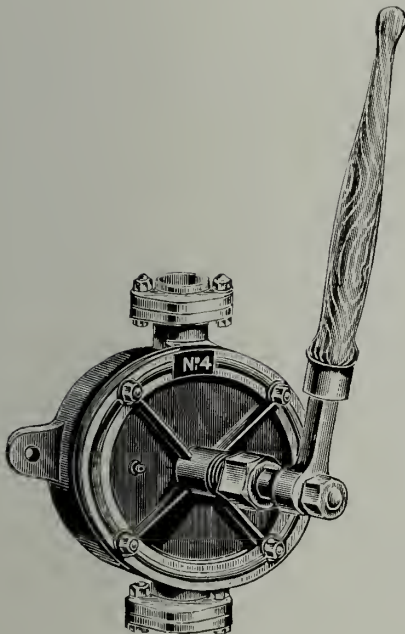
The Pump can be used with a suction of 26 feet, but it is recommended not to use it for more than 20 feet.

The Suction Pipe for such suction must have a Foot Valve.

By pressure the Pump can force 60 feet.

## SEMI-ROTARY WING PUMPS.

WITH LUGS TO BOLT TO PLANK OR WALL.



No. 371.

Will lift water from a distance of 25 ft. if Suction Pipe is fitted with a Foot Valve, and force water up to from 80 to 100 ft. The Foot Valve is necessary when suction is over 4 ft. In frosty weather the Frost Plug should be removed and the Pump emptied by a few strokes of the handle.

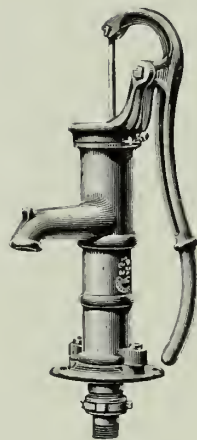


No. 371A.

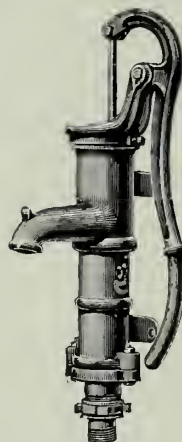
Number of Pump ... ..		0	1	2	3	4	5	6	7	8
Diameter of Bore to Suction and Delivery Pipes ... .. Inches		$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2	2
Water Capacity per hour, Double Acting ... .. Gallons		240	420	450	570	870	960	1,320	1,560	2,310
Nos.	Do. do. Quadruple Acting ..	—	495	615	930	1,200	1,440	1,860	2,100	2,760
371	Double-acting Iron Pump, with Brass Valves and Seatings ... ..	21/3	22/6	25/-	29/-	33/9	39/9	52/6	55/6	60/-
371A	Quadruple-acting Iron Pump, do. ...	—	30/3	35/3	44/3	49/9	59/-	67/9	85/6	103/-



## LIFT PUMPS.



No. 372.



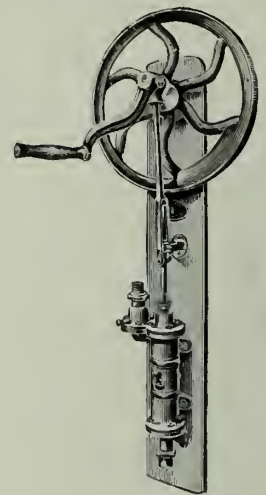
No. 373.



No. 374.



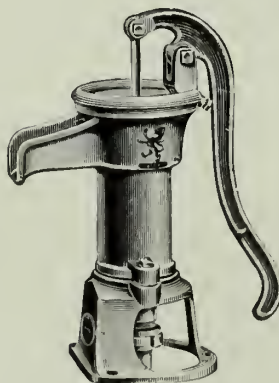
No. 375.



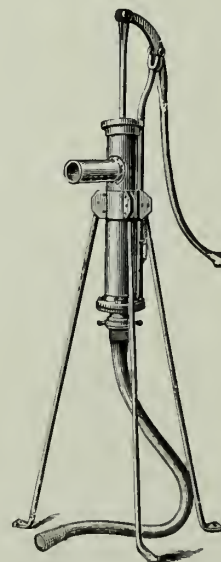
No. 376.

No.	Bore of Working Barrel	...	...	...	...	Inches	2	2½	3	3½	4
	„ Suction Pipe	...	...	...	...	„	1	1½	1½	2	2
372	Iron Lift Pump, fitted with Brass Union screwed for tube, or Union for lead	...	...	...	...	...	9/-	11/9	14/-	21/-	25/6
373	Do., as above, but with Brackets for securing to Plank	...	...	...	...	...	9/-	11/9	14/-	21/-	25/6
374	Brass Lift and Force Pump, mounted on Hardwood Plank	...	...	...	...	...	74/6	91/-	105/-	124/3	143/9
374A	Strong Iron Pump, with Copper or Brass Lining and Brass Unions and do.	...	...	...	...	...	50/9	59/9	66/9	81/3	89/-
375	Brass Lift and Force Pump, with Improved Copper and Brass Air Vessel and Brass Draw-off Valve, mounted on Hardwood Plank	...	...	...	...	...	110/6	127/9	148/-	173/3	200/-
375A	Strong Iron Pump, as above	...	...	...	...	...	76/3	86/9	94/9	114/-	126/-
376	Brass Lift and Force Pump, with Wheel Handle, mounted on Hardwood Plank	...	...	...	...	...	89/-	108/6	126/-	148/6	170/9
376A	Strong Iron Pump, as above	...	...	...	...	...	73/6	84/-	105/-	131/-	151/3

## PITCHER PUMP.



No. 377.



## CONTRACTORS' PUMPS.

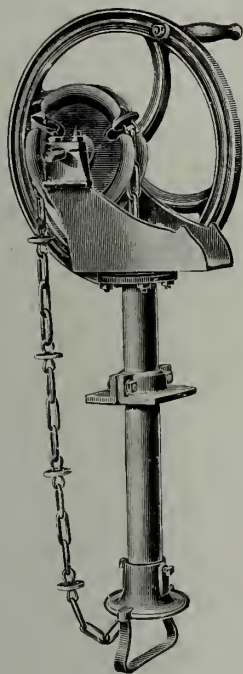


No. 379.

	No. 377.						No. 378.		No. 379.			
Bore of Working Barrel, Ins.	2½	3	3½	4	4½	5	4½ Light	4½ Heavy	3	4	5	6
„ Suction Pipe „	1	1½	1½	1½	1½	2	2	2	1½	2	2½	3
Price	10/-	11/6	12/9	14/9	22/3	40/-	52/6	61/3	51/6	55/-	59/6	69/-
Extra for Galvanized Suction Pipe, per ft., for No. 379 Contractors' Pump									2/3	2/7	2/10	3/2

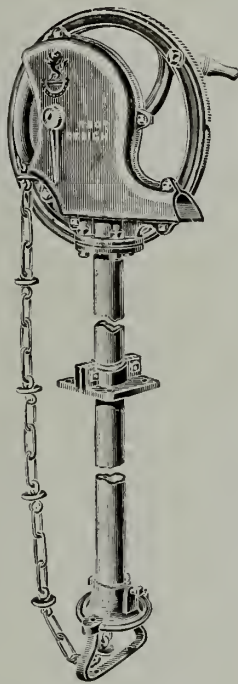


## CHAIN LIFT PUMPS.



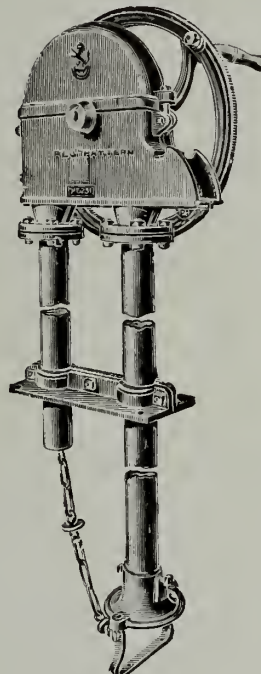
No. 364.

Uncovered Chain Pump.



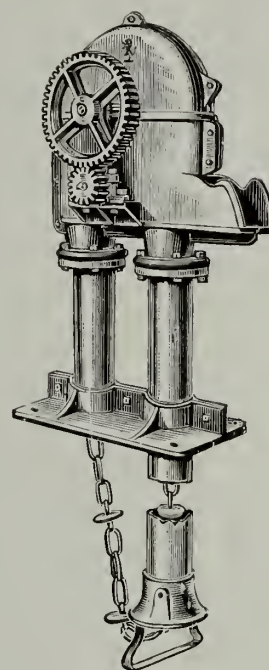
No. 365.

Semi-covered Pump.



No. 366.

Covered Chain Pump.



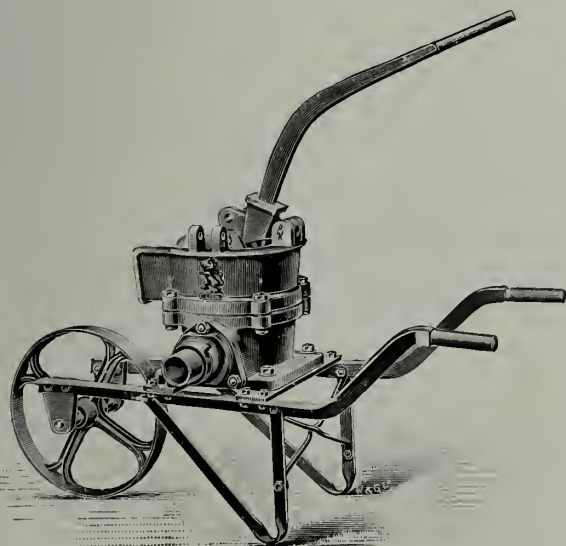
No. 367.

Covered Chain Pump  
for Power Driving.

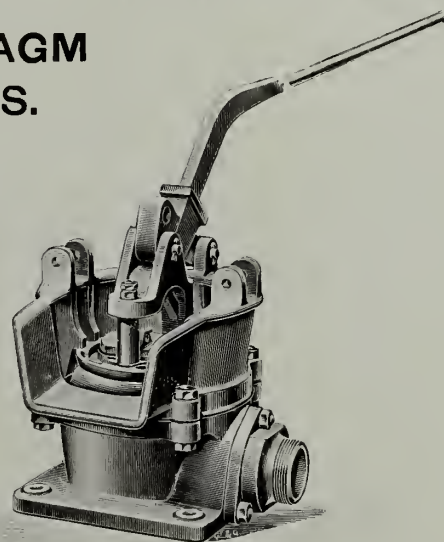
### PRICES (Coated with Dr. Angus Smith's Solution).

No.	Bore of Working Barrel, inches	...	2	2½	3	3½	4	4½	6
364	Complete, 12 ft. under Spout	...	72/6	78/3	83/-	104/-	134/3	—	—
365	Do. do.	...	72/6	78/3	83/-	104/-	134/3	—	—
366	Do. do.	...	84/-	93/6	104/-	123/6	163/6	—	—
367	Do. do. for Power	...	—	—	186/9	—	246/9	303/6	420/-
	Exceeding 12 ft. under Spout, extra per ft.	...	3/6	4/-	4/6	5/-	6/6	11/9	15/9
	Extra for Spare Chain, per foot	...	1/-	1/2	1/9	2/-	2/6	3/3	5/3
	Gallons raised per hour at 60 revolutions per minute, approximately	...	780	1,200	1,800	2,600	3,300	4,500	7,000

## DIAPHRAGM PUMPS.



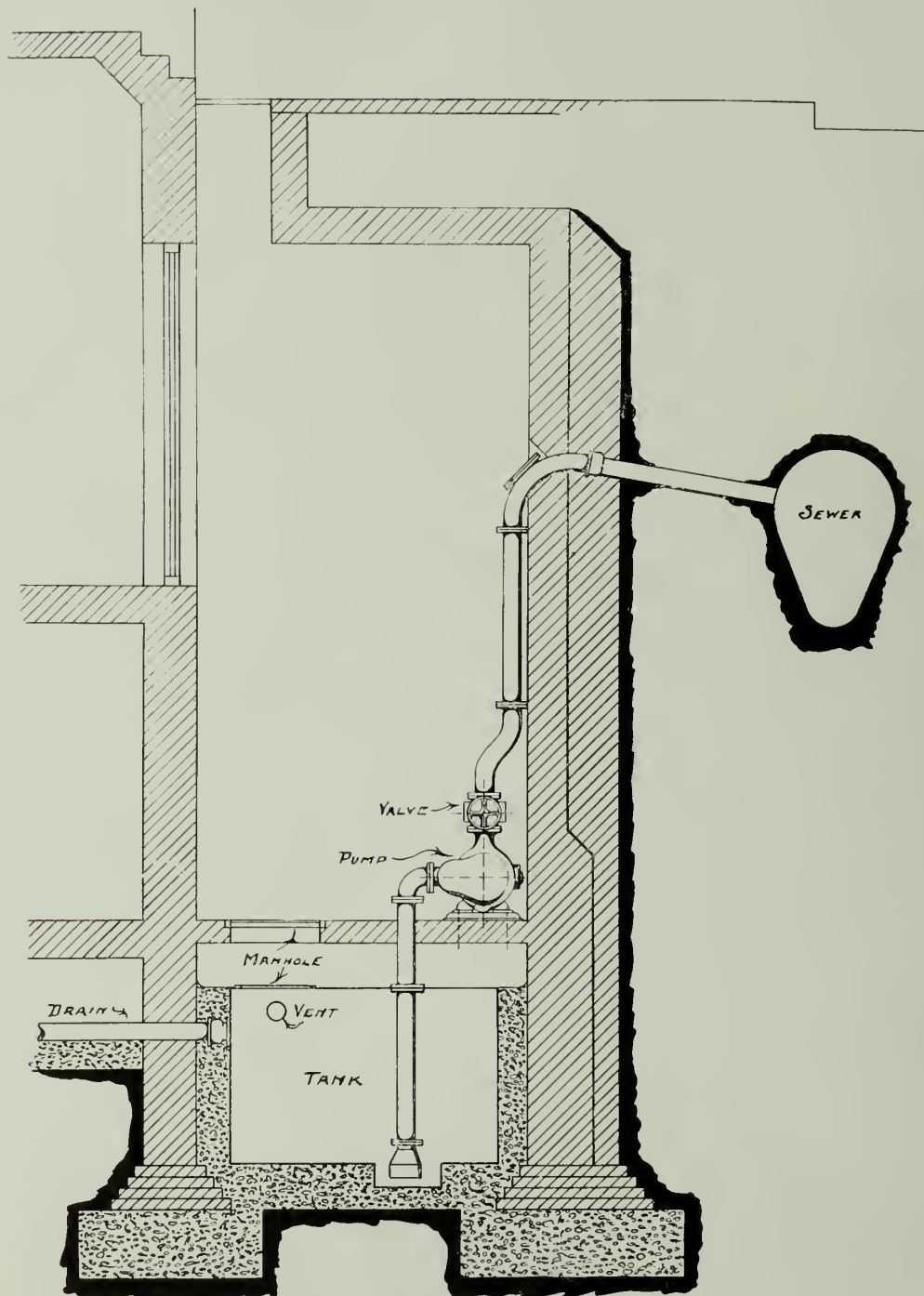
No. 368.



No. 369.

PRICES ON APPLICATION.

# SEWAGE PUMPING PLANTS.

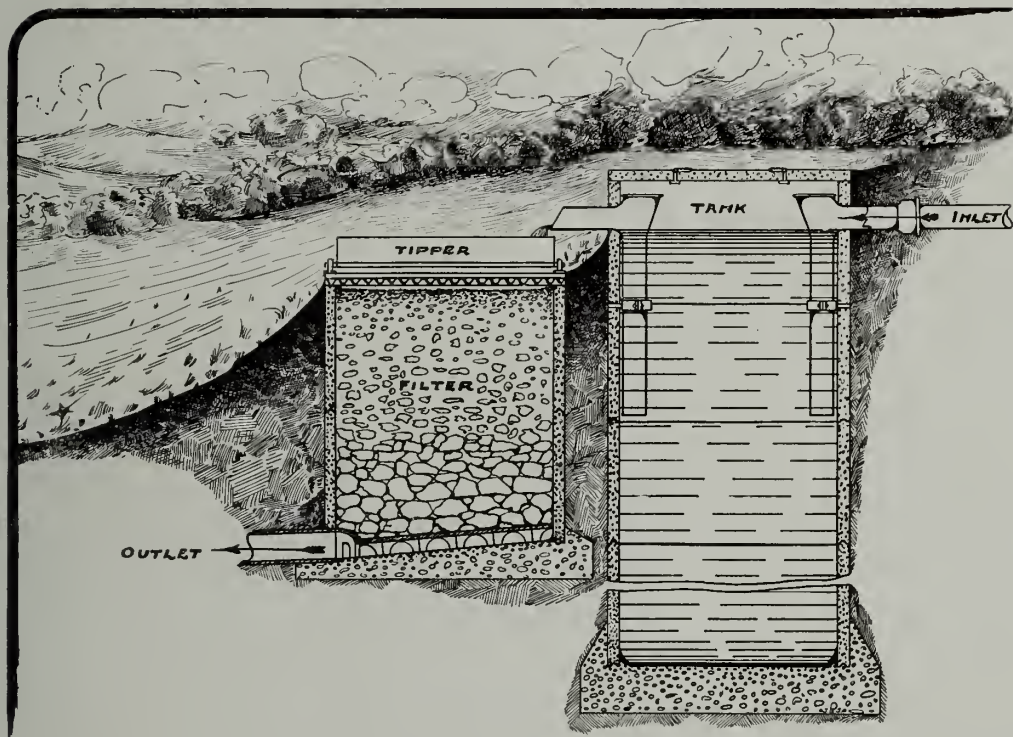


The above illustration depicts a **Sewage Pumping Plant** recently installed in London.

We are prepared to submit quotations for the most suitable type of Sewage Pumping Plant where the drain of a building is below the level of the sewer, or where provision has to be made against sewer surcharging.

We also invite enquiries for **EJECTOR PLANTS**.

# **"IDEAL" COUNTRY HOUSE SEWAGE PURIFICATION PLANTS.**



We solicit enquiries from Architects and Engineers for **Country House Sewage Purification Plants.**

We are prepared to submit quotations for the most suitable type of Plant either—

- (a) For Complete Installation, including Constructional Work, or
- (b) Details and Fittings only, leaving Constructional Work to be carried out by Contractor.

**INSTALLATIONS UNDERTAKEN FROM COTTAGE TO MANSION.**



## CAST-IRON FLUSHING SYPHONS.

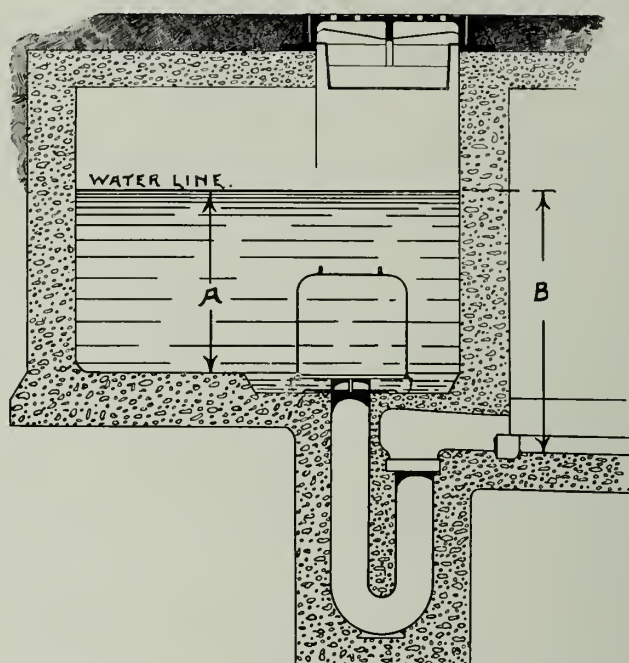
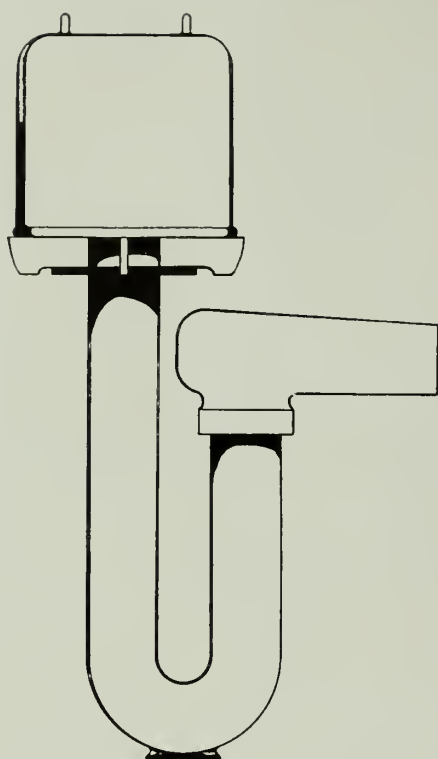


Diagram shewing application of Syphon fixed in position.

The above is a simple and perfectly reliable form of **Cast-iron Sewer Flushing Syphon**; there are no complicated parts, and the deep water seal cannot be syphoned out.

These Syphons discharge full bore with a dribble supply. Revolving outlet is so arranged that Syphon can be made to discharge in any desired direction.

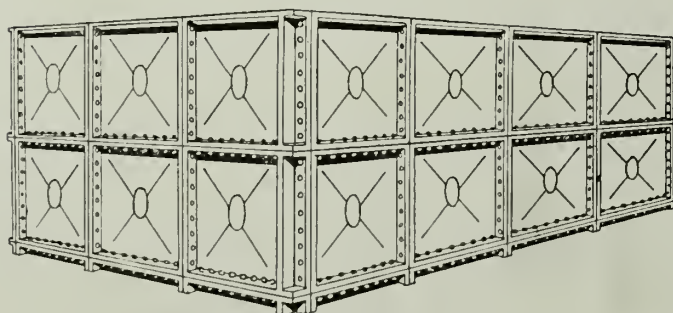
It is necessary to clearly state depth from water line to invert of sewer as shewn in diagram (B), and state diameter of sewer requiring to be flushed.

### PRICES (Coated with Dr. Angus Smith's Solution).

To flush Sewer ...	4 in.	5 and 6 in.	9 in.	12 in.	15 & 18 in.	21 in.	24 in.
Price ... ..	£3 10 0	£4 10 0	£6 0 0	£8 0 0	£9 10 0	£11 10 0	£13 10 0

## CAST-IRON TANKS.

WITH EXTERNAL OR INTERNAL FLANGES.



All Tanks well stayed, and marked ready for erection.

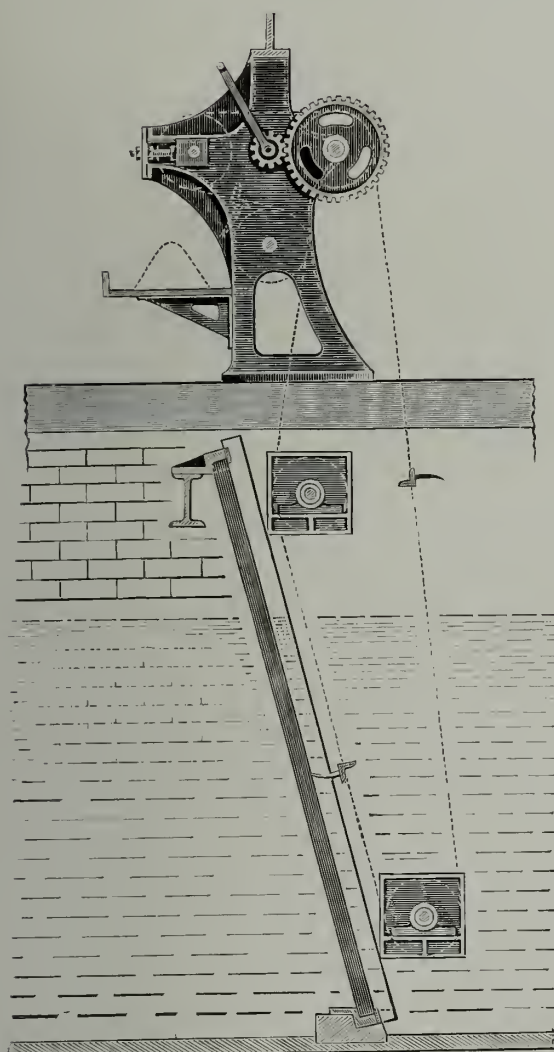
Made in various shapes and sizes to suit requirements.

Prices on Application.

For AUTOMATIC FLUSHING TANKS and TIPPING TANKS, see pages 129 and 130.

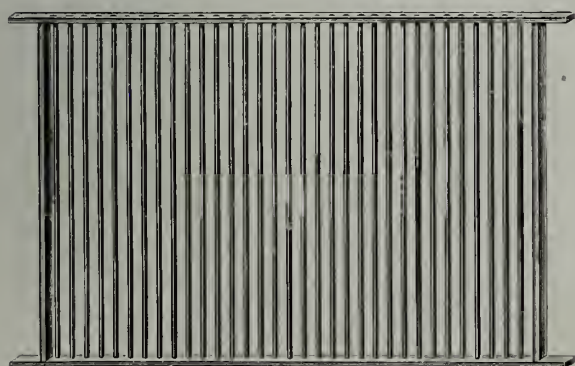
# COMBINED SEWAGE SCREEN AND RAKE.

OPERATED BY HAND OR POWER.



TYPE A.

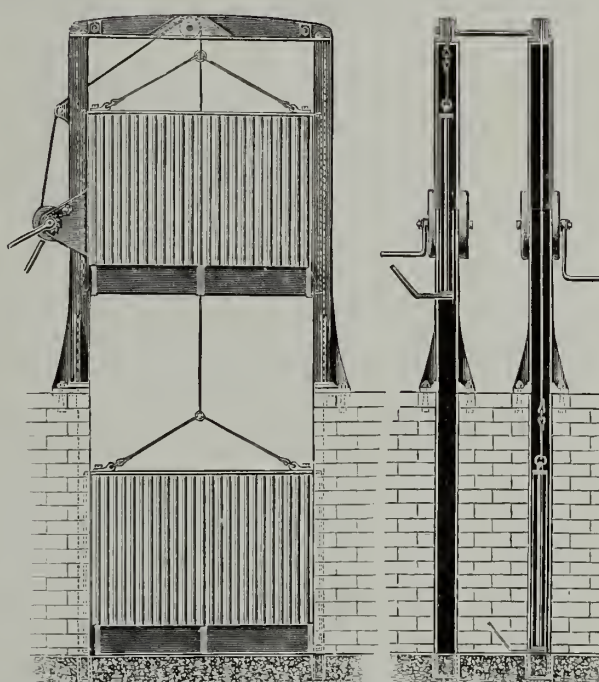
Combined Sewage Screen and Rake.



Wrought-iron Screening Grating

as shewn, with round bars and flat ends for building in, or having bars set off at top to allow rake to pass freely.

Made to any required size.



FRONT VIEW.

SECTION.

TYPE B.

Double Screen with Trough.

**Type A.**—This arrangement is intended for Sewage Works where large quantities of sewage have to be dealt with, and can be arranged for working slowly and continuously by power, or intermittently by hand.

The Screen itself consists of flat wrought-iron bars, tapered on back edge, and securely fastened top and bottom to cross girders.

The raking appliance consists of two strong side standards and cross beam (which carry the gearing, shafting, and sprocket wheels), 2 endless chains carrying one or more rakes, 2 cross shafts in sewage channel with wall boxes and bearings, and fitted with other chain wheels to keep the rakes in the proper position.

The solid matter caught on screen is carried forward by rakes and deposited on wood tray attached to standards.

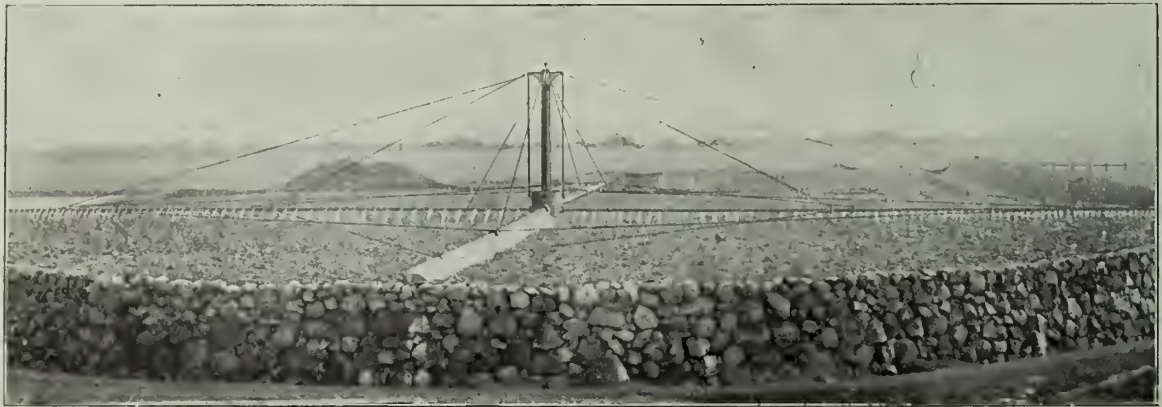
The endless chain can be tightened as required by the tension screws shewn on illustration.

**Type B.**—This arrangement consists of 2 wrought-iron Screens, one placed in front of the other and fitted with troughs at the bottom. The Screens are raised by means of galvanized steel wire ropes working over guide pulleys on to a drum with ratchet and pawl; they are kept in position by means of framework as shewn, and one only is raised at a time for cleaning while the other is in use. The solid matter can be raked into the trough and thence into a truck or barrow. This forms a very simple and effective arrangement.



# AUTOMATIC REVOLVING SEWAGE DISTRIBUTORS.

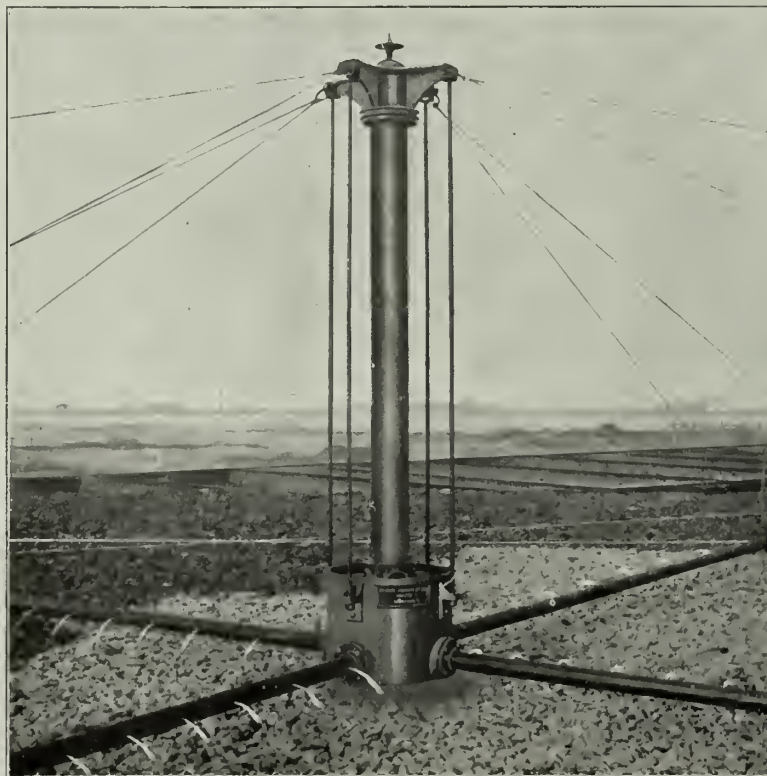
FOR PERCOLATING FILTER BEDS.



The above illustration shews a Revolving Distributor, 80 feet in diameter, and with plain holes in the arms; it is working with a head of only 2 to 3 inches above the arms, and has been in operation continuously day and night for several years, requiring practically no attention.

Can be made to suit any size bed.      Simple and Effective.      Has stood the test of TIME.

Distributing Arms drilled for plain holes, or fitted with **Patent Brass Sprays** to assure finer distribution.

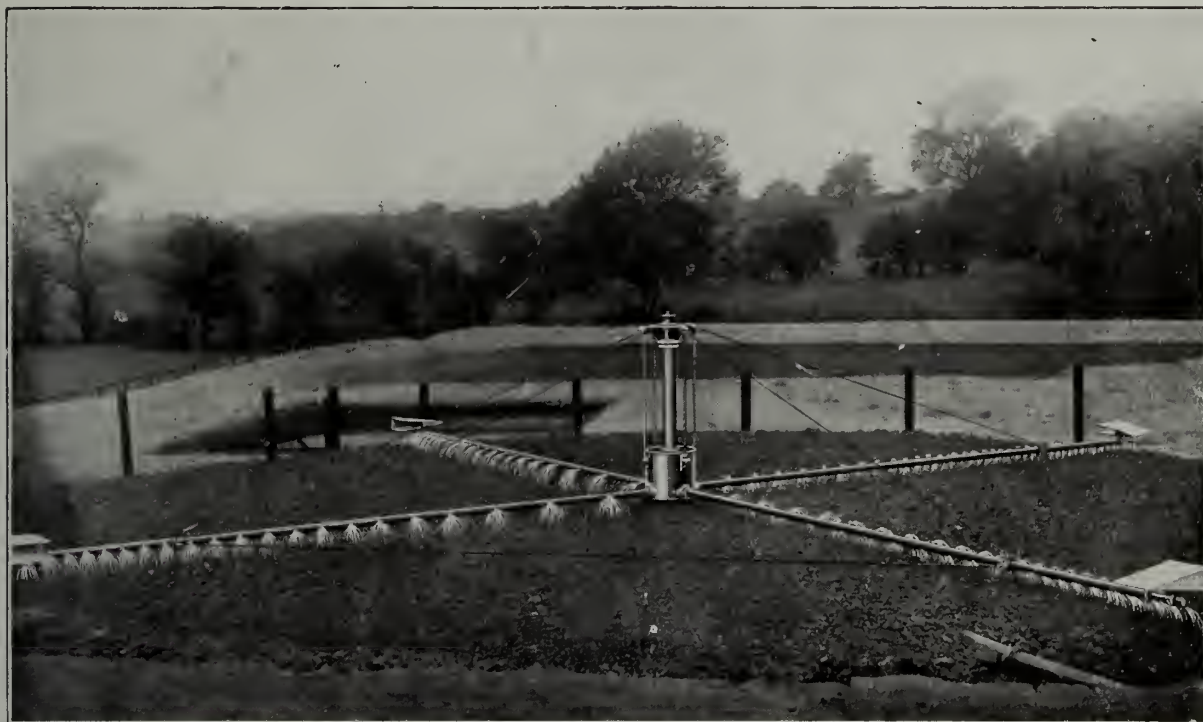


The above illustration shews the Central Hub for Revolving Distributors for sizes 80 feet diameter and upwards; it is mounted on a Duckfoot Bend which is bolted to a concrete or brick pillar.



# AUTOMATIC REVOLVING SEWAGE DISTRIBUTORS.

FOR PERCOLATING FILTER BEDS.



VIEW OF DISTRIBUTOR, 42 FT. 0 IN. DIA.

## DETAILS OF CONSTRUCTION.

The mechanism of the Distributors shewn in this list has been designed with the aim of securing the utmost simplicity and reliability, and no Syphons, Joints, Seals, or other parts likely to get out of order are used in connection with it ; the machines are of the highest class material and workmanship.

The Hub consists of a central column bolted to the Inlet Pipe, through which the sewage passes and thence through ports into the Revolving Basin ; the sewage passes from this basin into the Distributing Arms, which are perforated in such a manner as to give even distribution over the whole surface of the bed. The ports are fitted with shutters to regulate the flow of sewage into basin and prevent the possibility of flooding at centre.

The revolving parts are supported from a weather-proof cap which rotates on a ball bearing ; the ball races are made of the best quality steel, case-hardened and truly ground, and the balls run in a bath of oil, so that scarcely any attention is required. The top cap is fitted with a screw arrangement so that the revolving parts can be raised to allow for inspection of the bearing without dismantling. Roller bearings are fixed near bottom to prevent oscillation.

The Distributing Arms are of ample size, coated to prevent corrosion, and made of solid drawn steel to ensure lightness and strength ; these arms are supported laterally and vertically by means of galvanized stranded wire ties, each of these having a screw coupling for tightening, etc. ; the ends of arms have a special form of cap to allow for cleaning out.

The above illustration shews Distributor fitted with patent Brass Sprayers and patent Zinc Wind Cone.

**These Wind Cones overcome ALL difficulty from high winds or gales.**

# FIXED SEWAGE DISTRIBUTORS.

Illustration of a **FIXED** Type of **DISTRIBUTOR** on Bed, and Fitted with  
Patent Brass Sprayers.

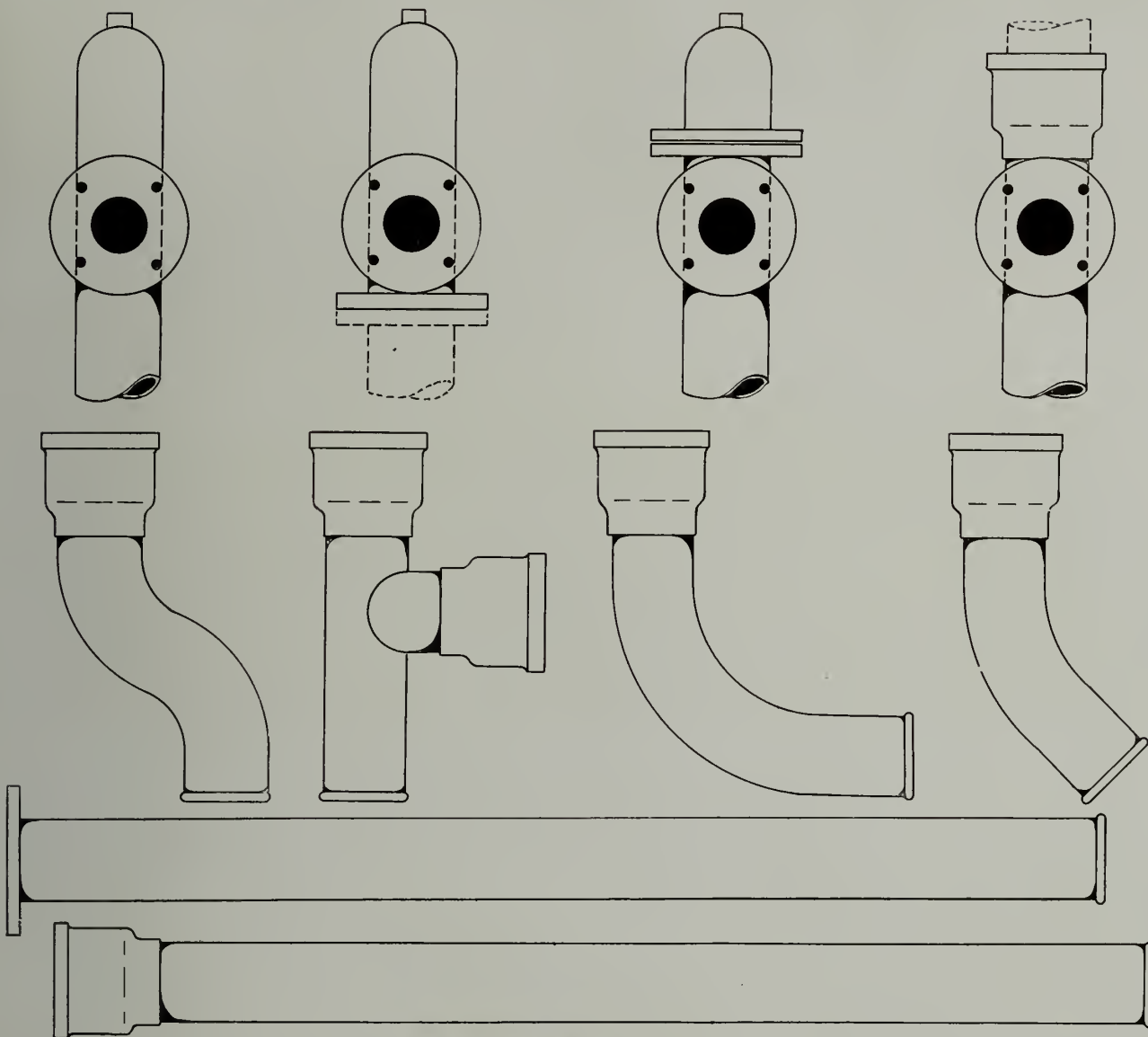


The above form of Distributor is preferred by some Engineers to the Revolving Type, and is in use at some of the largest Sewage Works in the country ; the results obtained have been most satisfactory where sufficient head is available. In the illustration shewn one large main supplies a number of branch pipes, and full-way valves are fitted so that either half of the bed can be shut off, or either line of distributing pipes.

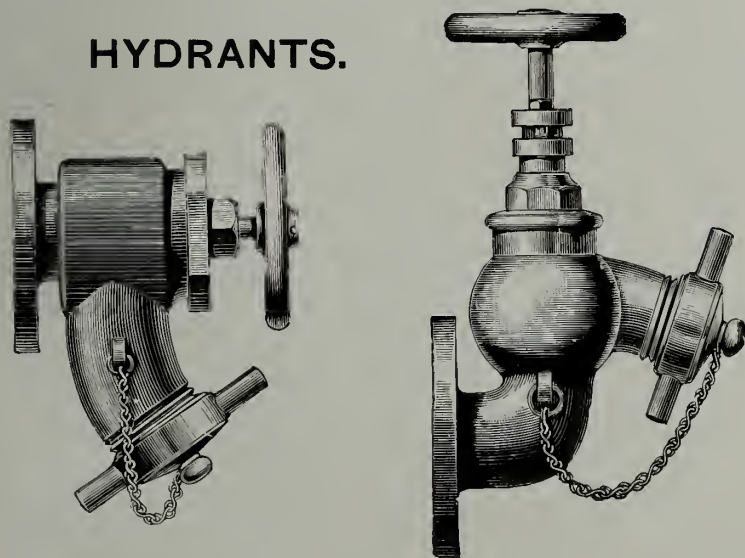


These distributing pipes are of light cast-iron with bosses cast on and screwed to take the brass sprayers, the distance apart of these varying according to the head available which, however, for this form should not be less than 18 inches. In some cases the distributing pipes are below the surface of bed, with small riser pipes to each spray, and this is an improvement. The far end of distributing pipes connect to a wash-out pipe or trough, so as to allow for periodically washing through any sediment which may collect.

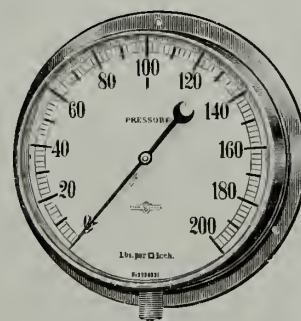
# HYDRANT PIPES AND CONNECTIONS.



**HYDRANTS.**



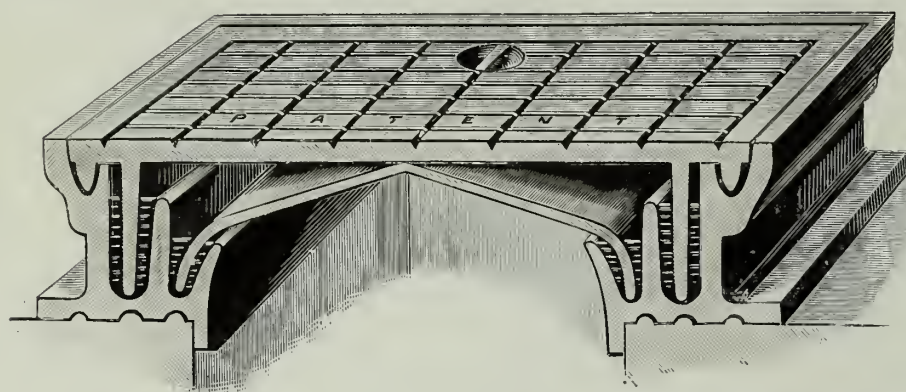
**GAUGE.**



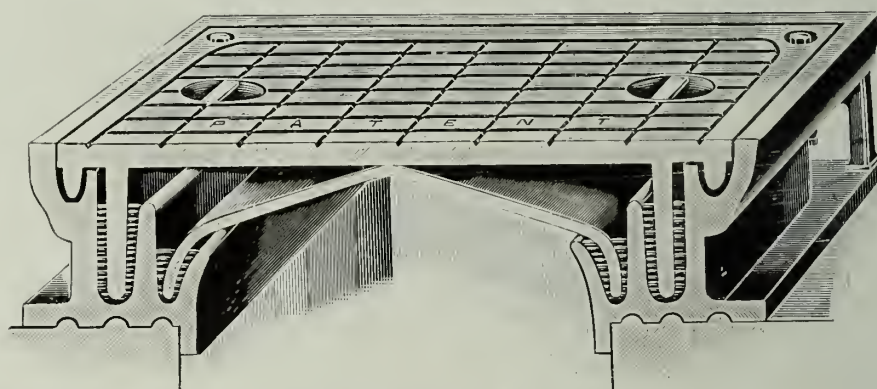
Enquiries solicited for **COMPLETE  
FIRE HYDRANT INSTALLATIONS**  
in Town or Country.



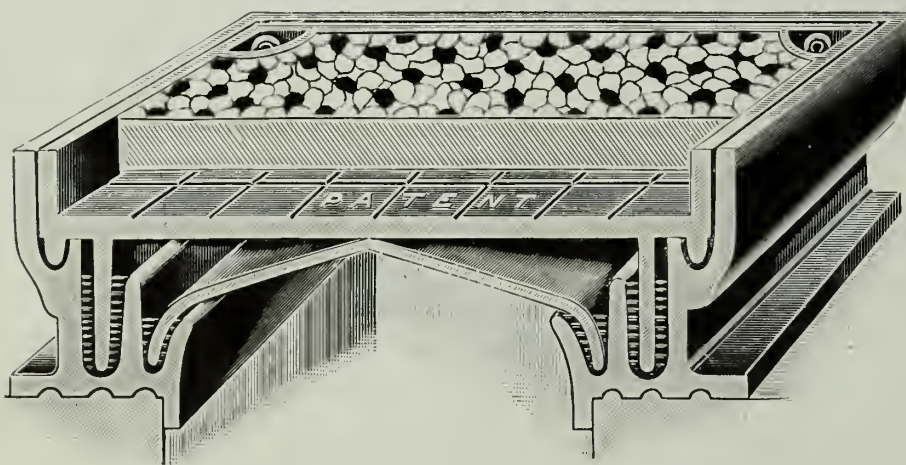
# PATENT "TRIPLE-SEAL" AIRTIGHT MANHOLE COVERS.



No. 380.  
PLAIN TOP PATTERN.



No. 380B.  
TOP COVER, secured with  
Four Gun-metal Screws.



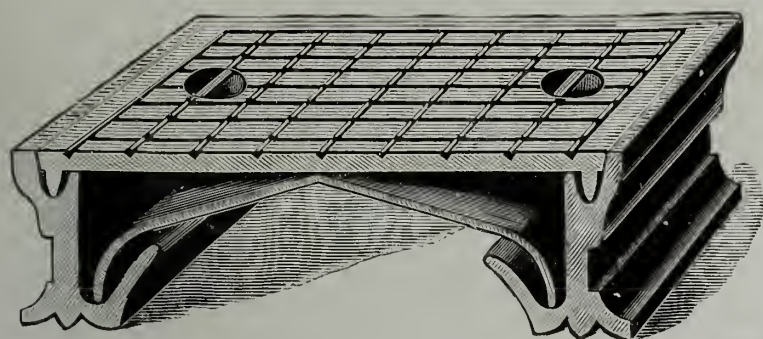
No. 380C.  
RECESSED TOP COVER,  
for Cement, Mosaic or  
Wood Blocks.

Size to build Brickwork.	Depth of Frame.	No. 380. Plain Top Pattern.		No. 380B. With Four G.M. Screws		No. 380C. Recessed Top for Cement	
		Coated.	Galv.	Coated.	Galv.	Coated.	Galv.
15 × 15 in.	4 in.	£1 8 6	£2 8 9	—	—	—	—
18 × 18 in.	4 in.	1 17 9	2 18 0	£2 6 6	£3 7 0	£2 4 0	£3 7 3
24 × 18 in.	4 in.	2 4 6	3 8 3	2 13 3	3 17 0	2 13 3	4 2 0
24 × 18 in.	4 in. (ex. Hvy)	2 14 3	4 3 6	—	—	—	—
24 × 24 in.	4 in.	2 9 0	3 15 0	2 17 6	4 2 3	3 5 0	5 0 3
30 × 18 in.	4 in.	2 11 6	3 19 6	3 0 0	4 7 9	3 2 0	4 15 3
30 × 24 in.	4 in.	3 1 0	4 14 0	—	—	3 7 9	5 4 0

Lifting Hooks, 9d. per pair.

Keys for Gun-metal Screws, 1/- each.

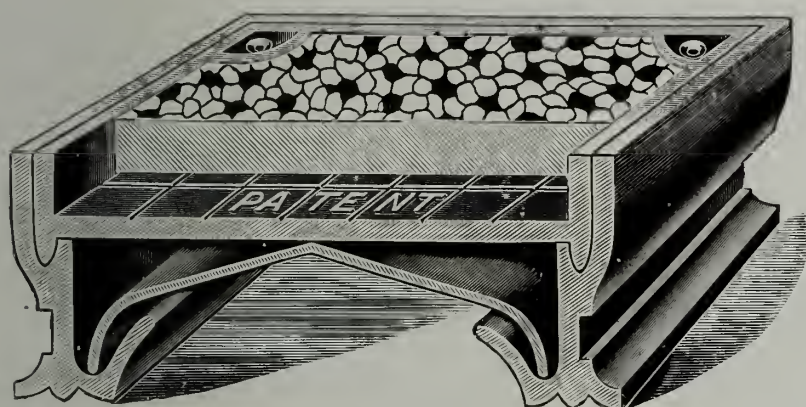
# PATENT "DOUBLE-SEAL" AIRTIGHT MANHOLE COVERS.



No. 381.

PLAIN TOP PATTERN.

No. 381B.  
TOP COVER secured with  
Four Gun-metal Screws.



No. 381C.  
RECESSED TOP COVER,  
For Cement, Mosaic or  
Wood Blocks.

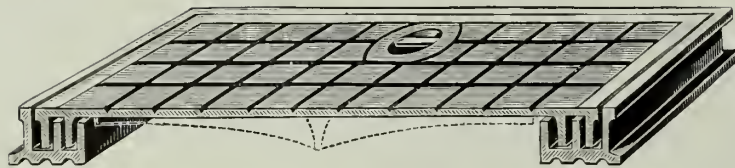
Size to build Brickwork.	Depth of Frame.	No. 381. Plain Top Pattern.		No. 381B. With Four G.M. Screws.		No. 381C. Recessed Top for Cement.	
		Coated.	Galv.	Coated.	Galv.	Coated.	Galv.
19 × 9 in.	5 in.	£0 19 6	£1 11 9	—	—	—	—
15 × 15 in.	5½ in.	1 1 3	1 13 9	—	—	—	—
19 × 12½ in.	5½ in.	1 7 9	2 1 6	—	—	—	—
18 × 18 in.	5½ in.	1 10 0	2 4 6	£1 14 6	£2 9 9	£1 12 0	£2 9 9
22 × 14 in.	4 in.	1 10 6	2 7 3	—	—	—	—
22 × 16 in.	5½ in.	1 14 0	2 12 0	1 19 6	2 17 3	2 3 3	3 5 3
24 × 18 in.	5½ in.	1 14 6	2 14 9	2 3 0	3 3 6	—	—
27 × 18 in.	5½ in.	2 1 3	3 3 6	—	—	—	—
24 × 24 in.	5½ in.	2 2 0	3 4 9	2 11 0	3 15 9	—	—
29 × 19 in.	5½ in.	2 10 6	4 0 0	—	—	2 15 0	4 3 4
21 × 15 in.	6 in. (ex. Hvy)	2 5 0	3 6 0	—	—	—	—
29 × 17 in.	6 in. do.	2 13 0	4 1 9	—	—	—	—

Lifting Hooks, 9d. per pair.

Keys for Gun-metal Screws, 1/- each.

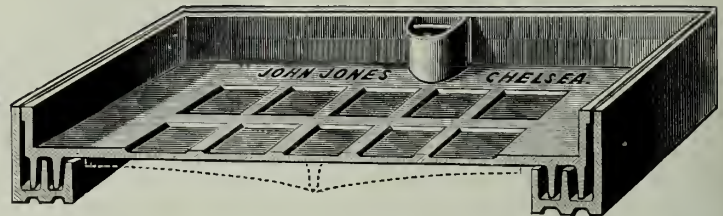


# DOUBLE-GROOVED MANHOLE COVERS.



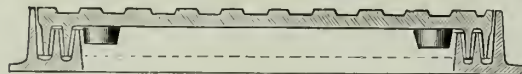
No. 382.

		Coated.	Galvd.
9 × 6 in. Clear Opening.	Each	5/3	7/6
12 × 9 in.	"	6/6	15/6
12 × 12 in.	"	10/-	19/3
21 × 14 in.	"	16/3	27/-
22 <sup>1</sup> / <sub>2</sub> × 14 in.	"	23/3	37/-
24 × 18 in.	"	33/9	52/6
24 × 24 in.	"	34/3	58/9
30 × 24 in.	"	35/-	60/-
36 × 18 in.	"	35/-	60/-



No. 383.

	Depth of Frame.	Depth of Recess.	Coated.	Galvd.
18 × 18 in. Clear Opening	6 in.	3 in.	33/9	53/-
24 × 18 in.	6 in.	3 in.	39/6	60/-
24 × 24 in.	6 in.	3 in.	44/6	67/9
30 × 24 in.	6 in.	3 in.	54/3	82/6
No. 383A.				
18 × 18 in. Clear Opening	5 in.	2 in.	32/6	52/-
24 × 18 in.	5 in.	2 in.	38/6	59/-
24 × 24 in.	5 in.	2 in.	43/6	66/9
30 × 24 in.	5 in.	2 in.	53/3	81/9



No. 384.—Extra Heavy Pattern.



No. 385.—Extra Heavy Pattern.

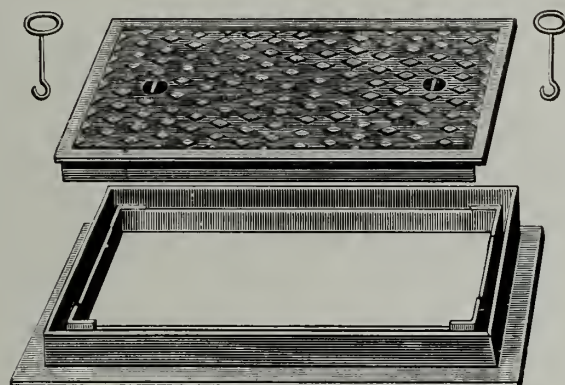
		Coated.	Galvd.
15 × 15 in. Clear Opening.	Each	33/3	49/6
18 × 18 in.	"	39/6	59/-
24 × 18 in.	"	47/9	68/9
24 × 24 in.	"	55/6	80/-
30 × 24 in.	"	62/6	90/6

		Coated.	Galvd.
15 × 15 in. Clear Opening.	Each	33/3	49/6
18 × 18 in.	"	39/6	59/-
24 × 18 in.	"	47/9	68/9
24 × 24 in.	"	55/6	80/-
30 × 24 in.	"	62/6	90/6

Lifting Hooks, 9d. per pair.



# SINGLE-GROOVE MANHOLE COVERS.



No. 386.

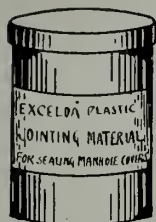
BEST QUALITY CASTINGS.	No. 386A HEAVY WEIGHT.		No. 386B MEDIUM WEIGHT.		MEDIUM QUALITY CASTINGS.	No. 386C HEAVY WEIGHT.		No. 386D MEDIUM WEIGHT.	
	Coated.	Galvd.	Coated.	Galvd.		Coated.	Galvd.	Coated.	Galvd.
Clear Opening.					Clear Opening.				
9 × 9 in.	—	—	5/6	8/9	9 × 9 in.	—	—	4/6	8/-
12 × 12 in.	10/3	16/9	8/3	13/-	12 × 12 in.	8/6	16/-	7/-	12/6
15 × 15 in.	13/-	21/3	9/9	15/3	15 × 15 in.	11/-	21/3	7/3	13/9
18 × 12 in.	—	—	10/-	15/9	18 × 12 in.	11/-	21/3	7/9	14/6
18 × 18 in.	14/6	24/6	11/3	18/3	18 × 18 in.	15/3	27/3	9/6	18/-
24 × 12 in.	—	—	12/-	19/3	24 × 12 in.	13/9	24/6	9/6	18/-
24 × 18 in.	18/-	27/9	13/3	21/6	24 × 18 in.	18/-	32/-	10/-	18/9
24 × 24 in.	24/3	37/9	19/-	29/6	24 × 24 in.	21/3	37/9	16/-	27/3
30 × 18 in.	25/3	40/-	19/3	29/9	30 × 18 in.	22/6	39/6	16/-	27/3
30 × 24 in.	27/6	43/6	23/3	34/9	30 × 24 in.	25/-	44/6	17/6	24/-
36 × 24 in.	32/6	50/-	—	—	36 × 18 in.	—	—	24/9	42/6
36 × 30 in.	39/9	59/-	—	—	36 × 24 in.	28/-	48/3	—	—
42 × 30 in.	57/9	82/3	—	—	42 × 21 in.	38/6	67/6	—	—
					42 × 24 in.	42/-	75/-	—	—
					50 × 18 in.	45/9	79/-	—	—
Extra for 2 Gun-metal Locking Screws					...	...	...	3/6	per Cover.
Do.	4	do.	do.	...	...	...	...	7/-	„

Lifting Hooks, 9d. per pair.

Keys for Gun-metal Screws, 1/- each.

## “EXCELDA” PLASTIC JOINTING MATERIAL.

FOR MANHOLE COVERS.

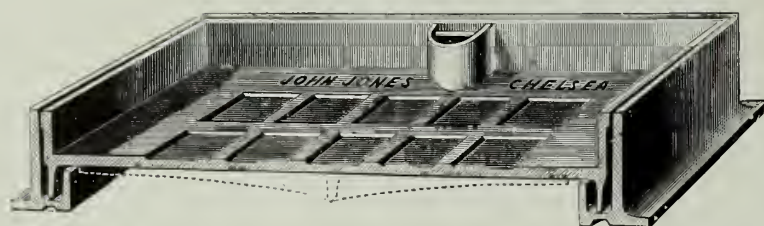


This Special “Excelda” Plastic Jointing Material retains its plasticity under all conditions of weather, and is, therefore, recommended.

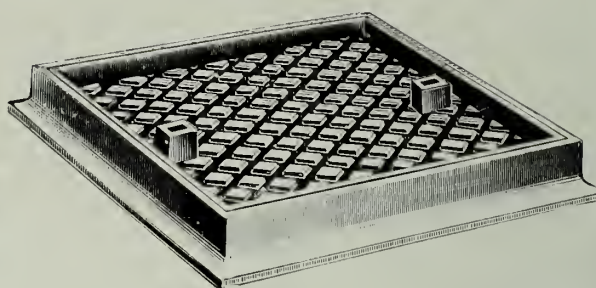
4 lb. tins ... .. 1/- each.

¼ cwt., ½ cwt., or 1 cwt. Kegs ... .. 21/- per cwt.

# SINGLE-GROOVE MANHOLE COVERS.



No. 387.



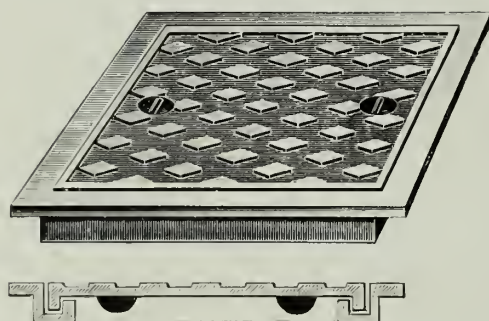
No. 389.

Clear Opening.	Depth of Recess.	Coated.	Galvanized.
18 × 18 in.	3 in.	22/3	35/9
24 × 18 in.	3 in.	27/3	43/9
24 × 24 in.	3 in.	31/9	50/6
30 × 24 in.	3 in.	36/9	56/9

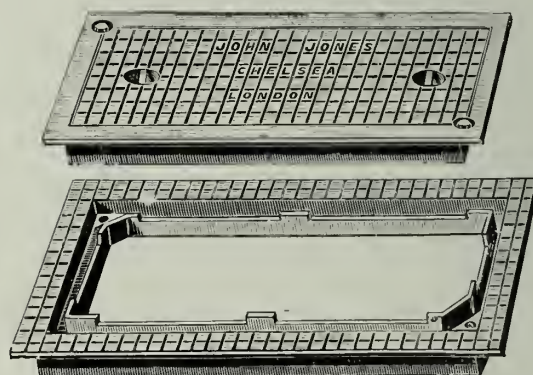
  

No. 388.			
18 × 18 in.	2 in.	21/6	35/3
24 × 18 in.	2 in.	25/-	41/6
24 × 24 in.	2 in.	30/-	49/-
30 × 24 in.	2 in.	35/-	55/3

Clear Opening.	Depth of Recess.	Coated.	Galvanized.
12 × 8 in.	1 in.	8/-	14/-
12 × 12 in.	1 in.	10/-	16/-
15 × 15 in.	1 in.	16/-	26/6
18 × 18 in.	1 in.	19/9	30/3
24 × 18 in.	1 in.	24/-	36/9
24 × 24 in.	1 in.	29/9	46/3
30 × 18 in.	1 in.	30/-	47/-
30 × 24 in.	1 in.	35/3	54/9
36 × 24 in.	1 in.	39/9	59/3



No. 390.



No. 391.

Fitted with Two Gun-metal Screws.

	Coated.	Galvanized.
15 × 15 in. Clear Opening	12/3	19/9
18 × 18 in. "	14/9	25/3
24 × 18 in. "	18/3	29/-
24 × 24 in. "	23/9	38/-
30 × 18 in. "	24/-	38/6
30 × 24 in. "	29/9	47/9

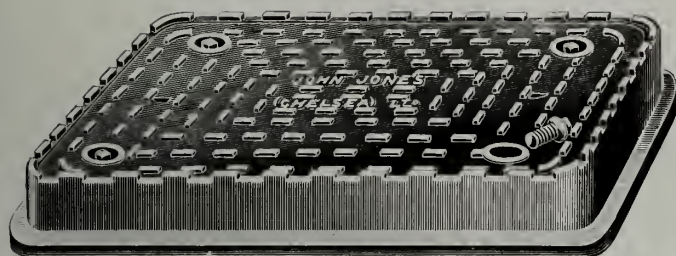
	Coated.	Galvanized.
12 × 12 in. Clear Opening	16/-	23/-
18 × 12 in. "	24/-	36/3

Lifting Hooks, 9d. per pair.

Keys for Gun-metal Screws, 1/- each.



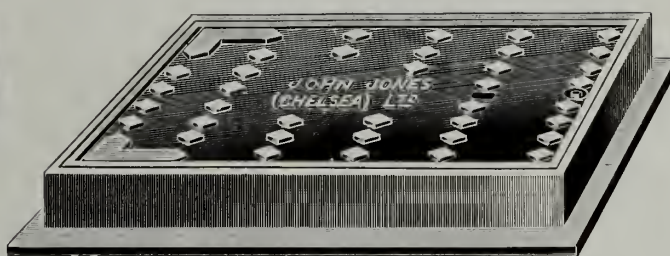
# MANHOLE COVERS.



No. 392.

Cast-iron Airtight Manhole Cover and Frame, with Gun-metal Screws, Woodite Seatings and India-rubber Washer.

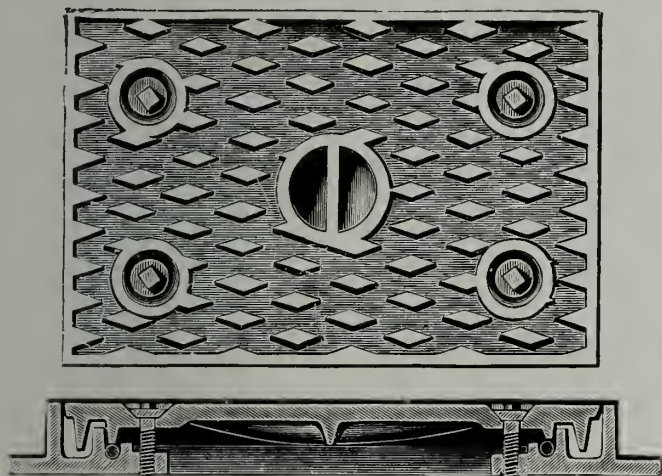
	Coated.	Galvanized.
20 × 16 in. Clear Opening	35/-	52/6
30 × 18 in. „	56/3	76/6



No. 393.

Hinged and Locking Manhole Cover, with Gun-metal Lock and Prepared Seating.

	Coated.	Galvanized.
22 × 17 in. Clear Opening	46/-	66/-
27½ × 19 in. „	52/-	77/-

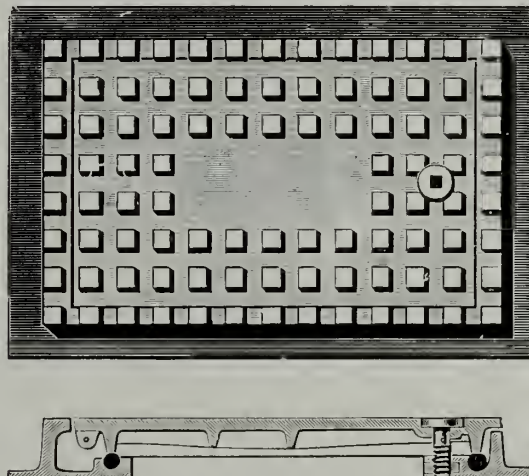


No. 394.

Double-Joint Manhole Cover, with Gun-metal Screws and India-rubber Washer.

	Coated.	Galvanized.
12 × 12 in. Clear Opening	41/9	53/-
16 × 16 in. „	52/3	64/9
22 × 22 in. „	64/3	82/6
28 × 22 in. „	76/3	96/-

Lifting Hooks, 9d. per pair.



No. 395.

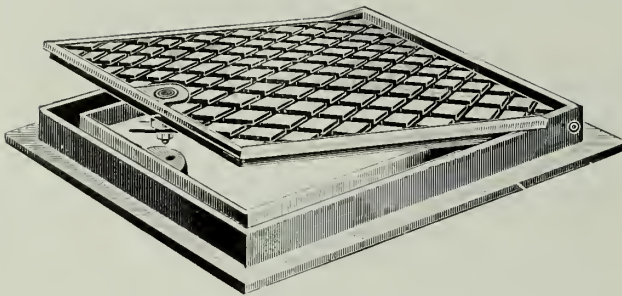
Hinged and Locking Manhole Cover, with Gun-metal Screw and India-rubber Washer.

	Coated.	Galvanized.
11½ × 10½ in. Clear Opening	22/9	30/9
18 × 12 in. „	33/-	43/-
18½ × 15½ in. „	35/-	45/-
24 × 18 in. „	45/9	62/3
24 × 21 in. „	48/-	66/6
30 × 18 in. „	48/-	66/6
30 × 24 in. „	60/-	80/6

Keys for Gun-metal Screws, 1/- each.



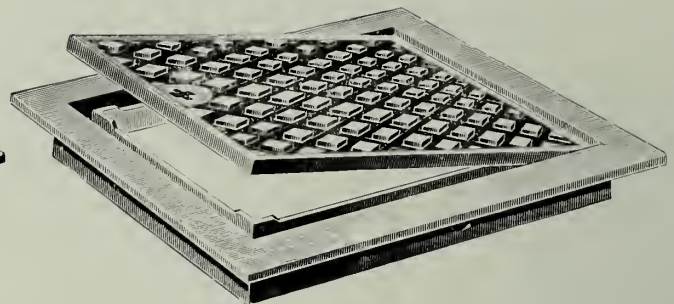
# MANHOLE COVERS.



No. 396.

**Hinged and Locking, with Gun-metal Lock.**

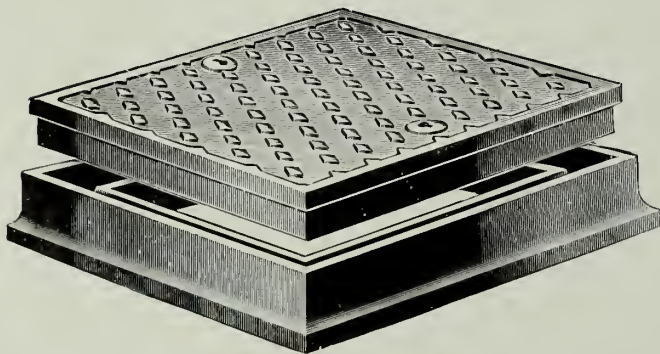
	Coated.	Galvanized.
12×12 in. Clear Opening	13/-	20/3
15×15 in.       "	16/9	26/9
18×18 in.       "	20/3	30/6
24×18 in.       "	24/3	39/-
24×24 in.       "	29/3	44/-
30×24 in.       "	66/3	95/6
36×24 in.       "	—	—



No. 397.

**Hinged and Locking, with Gun-metal Lock and Flange to let into Stone.**

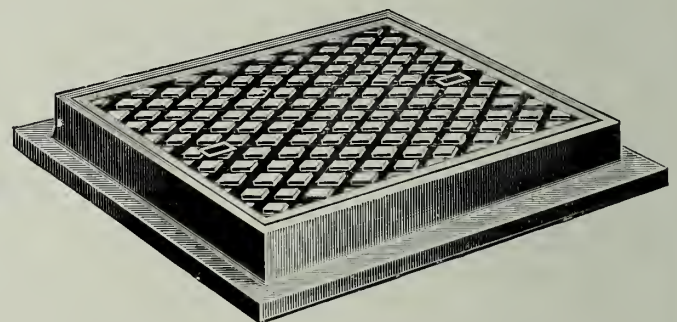
	Coated.	Galvanized.
12×12 in. Clear Opening	14/-	21/3
18×18 in.       "	21/-	31/-
24×24 in.       "	24/9	37/-
27×21 in.       "	30/6	45/9
30×24 in.       "	34/9	52/-



No. 398.

**Extra Heavy Manhole Cover, fitted with Gun-metal Locks.**

	Coated.	Galvanized.
12×12 in. Clear Opening	36/-	54/3
15×15 in.       "	49/3	73/-
24×18 in.       "	72/9	109/-
24×24 in.       "	81/9	124/-



No. 399.

**Extra Heavy Single-Seal Manhole Cover.**

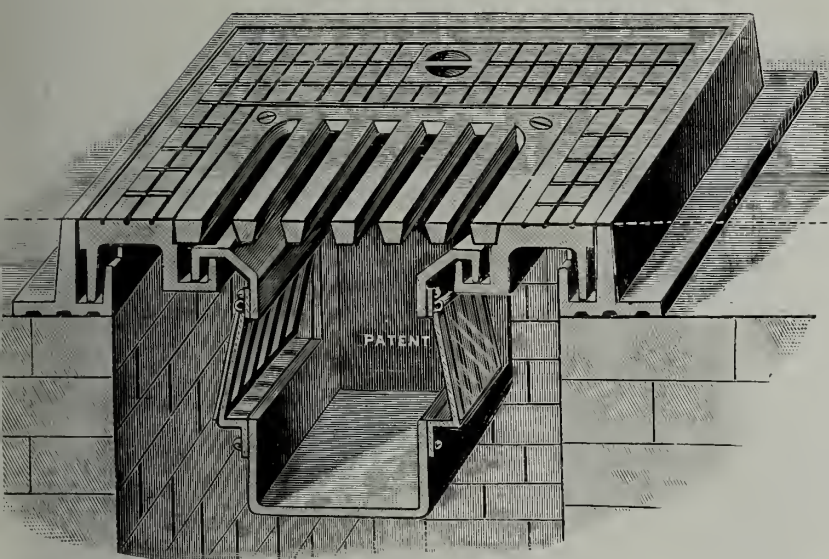
	Coated.	Galvanized.
24×18 in. Clear Opening	44/-	71/6

**Lifting Hooks, 9d. per pair.**

**Strong Lifting Hooks, 1/6 per pair.**

**Keys for Gun-metal Screws, 1/- each.**

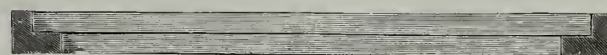
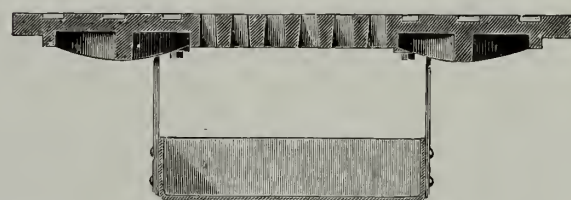
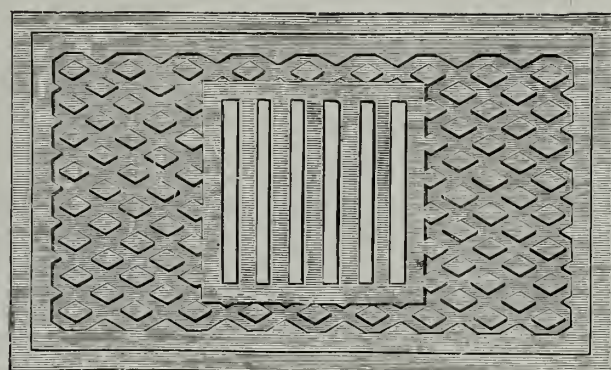
# VENTILATING MANHOLE COVERS.



No. 400.

**Ventilating Manhole Cover**, with Grating secured by Gun-metal Screws, Cast-iron Dirt Pan, fitted with Mica or Aluminium Flaps.

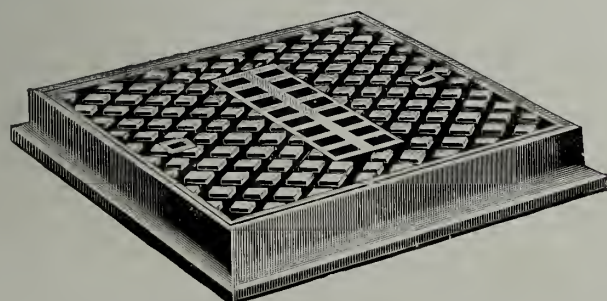
	Coated.	Galvanized.
18 × 18 in. Clear Opening	35/-	53/3
24 × 18 in.        "	42/9	66/3
24 × 24 in.        "	53/3	80/-
34 × 19 in.        "	80/-	120/-



No. 401.

**Ventilating Manhole Cover**, with Grating and Wrought-iron Dirt Pan.

	Coated.	Galvanized.
18 × 18 in. Clear Opening	34/9	49/9
24 × 12 in.        "	37/6	57/6
24 × 18 in.        "	39/-	59/-
27 × 18 in.        "	43/6	63/6



No. 402.

No. 402.—Ventilating Manhole Cover.

	Coated.	Galvanized.
15 × 15 in. Clear Opening	12/3	18/9
18 × 18 in.        "	14/-	22/-
24 × 18 in.        "	16/-	25/9
24 × 24 in.        "	22/9	35/-
20 × 20 in.        " Heavy	24/6	37/-

Lifting Hooks, 9d. per pair.

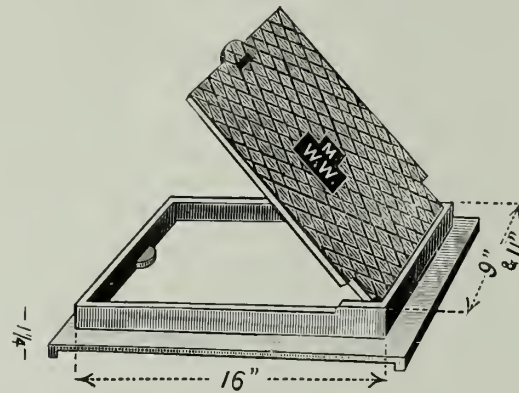
Strong Lifting Hooks, 1/6 per pair.

Keys for Gun-metal Screws, 1/- each.



# WATER METER COVER.

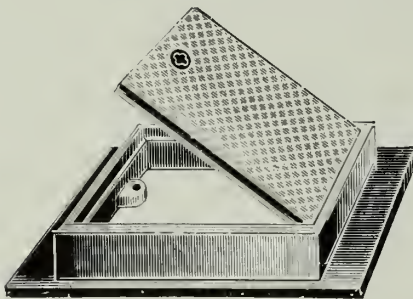
HINGED AND TO LOCK.



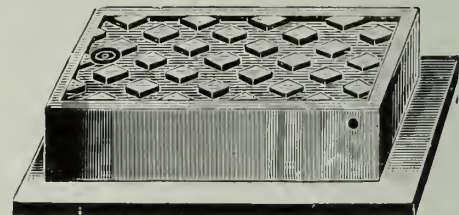
No. 404.

	Coated.	Galvanized.
16 × 9 in. Clear Opening ...	9/6	12/3
16 × 11 in. " " ...	10/-	13/-

# HINGED COCK BOXES.



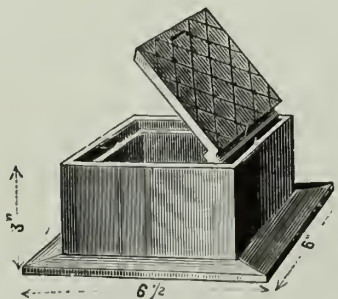
No. 405.



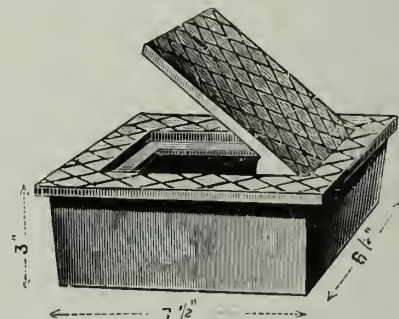
No. 406.

	Coated.	Galvanized.
9 in. square inside ...	9/9	13/-

	Coated.	Galvanized.
12 × 5 3/4 in. inside ...	9/9	13/-



No. 407.



No. 408.

	Coated.	Galvanized.
6 1/2 × 6 in. overall ...	2/6	3/3

	Coated.	Galvanized.
7 1/2 × 6 1/2 in. overall ...	3/6	4/9
8 × 8 in. " " ...	4/-	5/3
12 × 12 in. " " ...	5/6	8/-

Keys for above, 9d. each.



# RAINWATER AND INSPECTION SHOE COVERS AND GRATINGS.

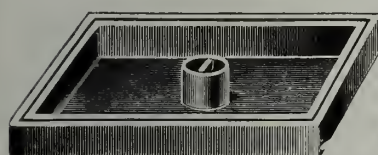


No. 409.



No. 410.

No.		Coated.	Galvanized.
409	Hinged and Locking Cover and Frame, 9×6 in. Clear Opening, each	8/6	11/6
410	Plain Lifting Cover and Frame, 9×6 in. Clear Opening ... ..	5/9	8/6



No. 411.



No. 412.



No. 413.



No. 414.

No.		Coated.	Galvanized.
411	Recessed Cover and Frame, with 1 in. Recess, 10×6 in. Opening, each	4/6	6/3
412	Plain Lifting Cover and Frame, 9½×5¾ in. overall ... ..	3/6	4/3
413	Grating and Frame ... ..	2/3	3/-
414	Grating ... ..	1/-	1/9

Extra if Nos. 412 and 413 fitted with Two Gun-metal Screws, 1/6.

## SIDE ENTRANCE COVERS.

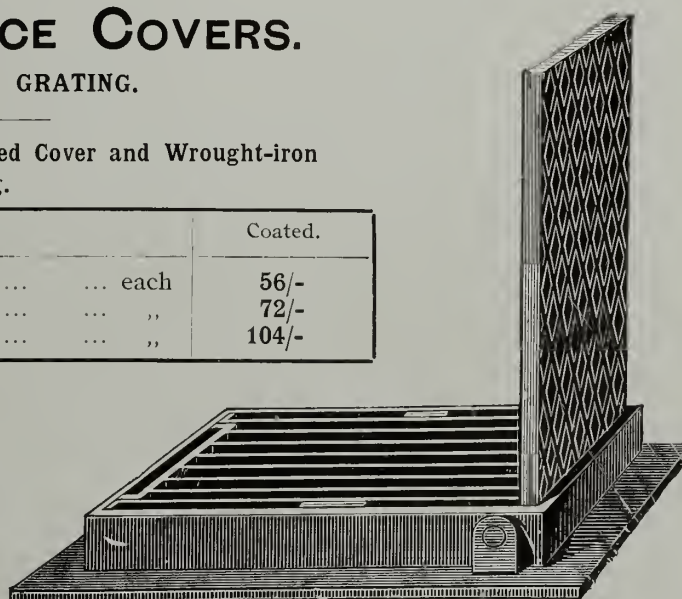
WITH SAFETY GRATING.

No. 415. With Cast-iron Hinged Cover and Wrought-iron Grating.

	Coated.
24 × 24 in. Opening ... .. each	56/-
30 × 26 in. ,, ... ..	72/-
30 × 30 in. ,, ... ..	104/-

Strong Lifting Key,

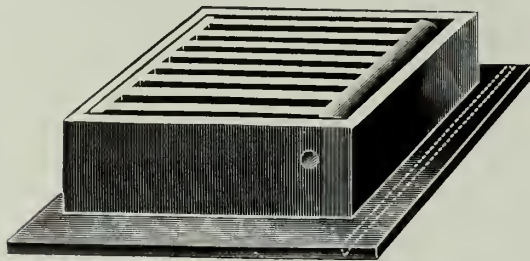
1/6 each.



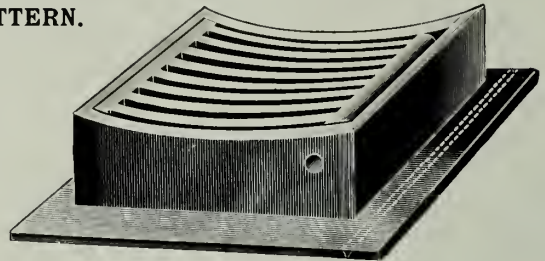
No. 415.

# CAST-IRON HINGED GRATINGS AND FRAMES.

HEAVY PATTERN.



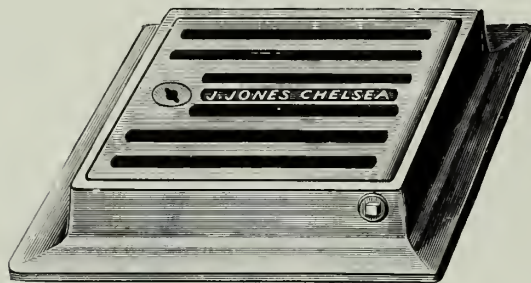
No. 416. Flat Grating.



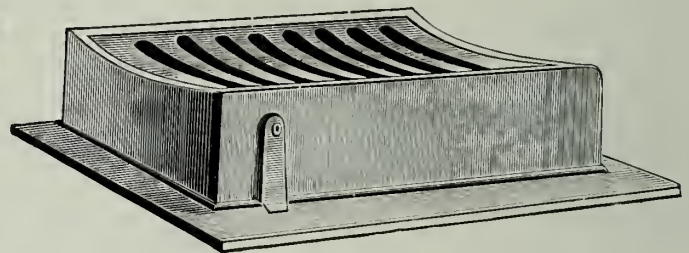
No. 417. Curved Grating.

Size over Top, 12×12 in.	Total depth, 6 in.	Width of Flange, 3 in.	...	Coated, 12/- each
" 15×15 in.	" 6 in.	" 3 in.	...	" 15/3 "
" 16×14 in.	" 6 in.	" 3 in.	...	" 17/6 "
" 16×16 in.	" 6 in.	" 3 in.	...	" 18/9 "
" 18×16 in.	" 6 in.	" 3 in.	...	" 19/- "
" 18×18 in.	" 6 in.	" 3 in.	...	" 22/9 "

MEDIUM PATTERN.



No. 418. Flat Top, with Lock.



No. 419.  
Curved Top, without Lock.

Size inside Frame.	Coated.	Galvd.
9 × 9 in. ... each	9/9	13/9
12 × 12 in. ... "	14/-	21/9

No. 418A.

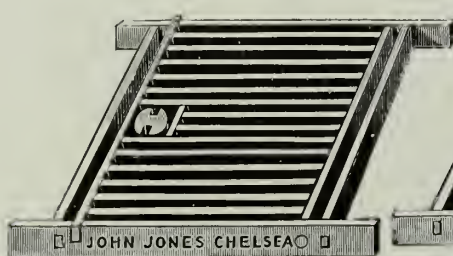
PLAIN LIFTING GRATING & FRAME.

Size inside Frame.	Coated.	Galvd.
9 × 9 in. ... each	4/6	8/9
12 × 12 in. ... "	6/-	11/3

Size inside Frame.	Coated.
6 × 6 in. ... each	3/9
8 × 8 in. ... "	4/9
10 × 8 in. ... "	7/9
11 × 11 in. ... "	8/-
12 × 10 in. ... "	8/6
14 × 12 in. ... "	14/-
16 × 14 in. ... "	18/-
18 × 16 in. ... "	23/6

# GALVANIZED WROUGHT-IRON GRATINGS AND FRAMES.

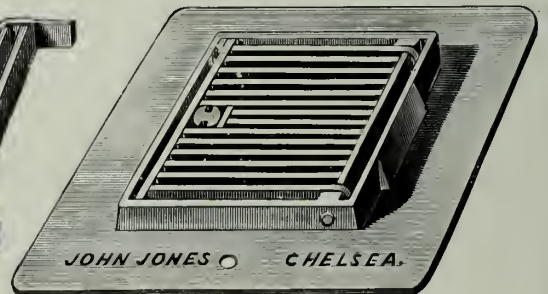
HINGED, WITH GUN-METAL LOCK.



No. 420. Flat.



No. 421. Curved.



No. 422.

With Heavy Cast-iron Frame.

Size inside Frame.	
6 × 6 in. ... each	8/6
9 × 9 in. ... "	11/-
12 × 12 in. ... "	14/-

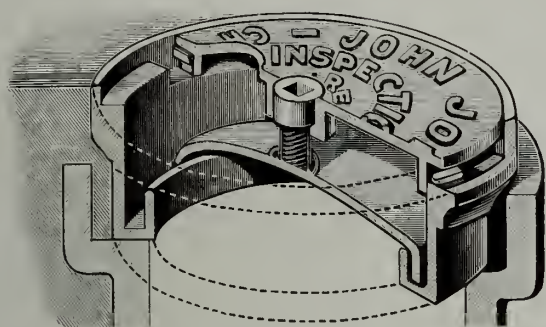
Size inside Frame.	
9 × 9 in. ... each	17/6

Galvd. Keys, 2/9 each.

Size inside Frame.	
9 × 9 in. ... each	15/6
12 × 12 in. ... "	21/9



# INSPECTION EYE COVERS, CIRCULAR GRATINGS, &c.



SECTIONAL VIEW.

No. 423.

Double-Seal Inspection Eye Cover and Frame, with Gun-metal Locking Screw.

			Coated.	Galvd.
To fit 4 in. Sockets	...	...	5/-	6/-
„ 6 in. „	...	...	6/3	7/6



No. 424.

Double-Seal Inspection Eye Cover and Frame, with Three Gun-metal Screws and Washer.

			Coated.	Galvd.
To fit 6 in. Sockets only	...	...	16/3	18/9

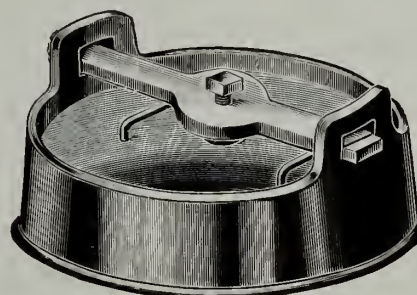


No. 425.

Single-Seal Inspection Eye Cover and Frame.

			Coated.	Galvd.
To fit 4 in. Socket	...	...	1/9	2/3
„ 6 in. „	...	...	2/3	3/-

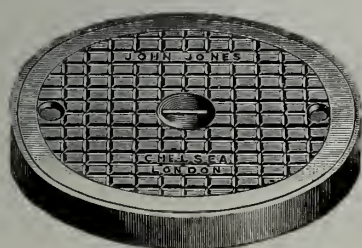
Keys, 3d. each.



No. 426.

Single-Seal Inspection Eye Cover and Frame, with Wrought-iron Bridge and Screw.

			Coated.	Galvd.
To fit 4 in. Socket	...	...	3/6	5/6
„ 6 in. „	...	...	5/-	8/-



No. 427.

			Coated.	Galvd.
9 in. dia. Clear Opening	...	...	3/3	5/-

Extra for Two G.M. Screws, 1/9.



No. 428.

			Coated.	Galvd.
10½ in. dia. ...	...	...	1/9	3/6
10½ in. dia., Ex. Hy.	...	...	3/-	5/6
No. 428A Grating and Frame 10½ in. dia.	...	...	3/9	5/9

Extra for Two G.M. Screws, 1/9.

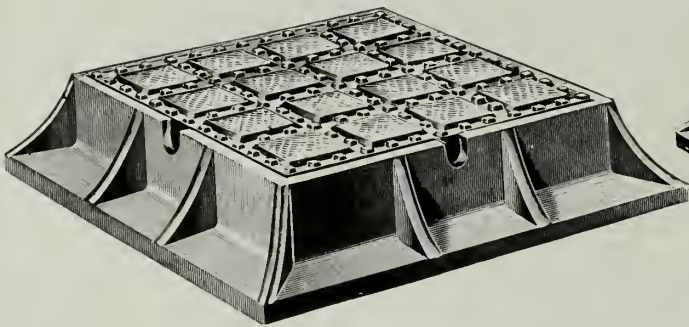


No. 429.

			Coated.	Galvd.
10½ in. dia. ...	...	...	1/6	2/6
8 in. „	...	...	1/3	2/-



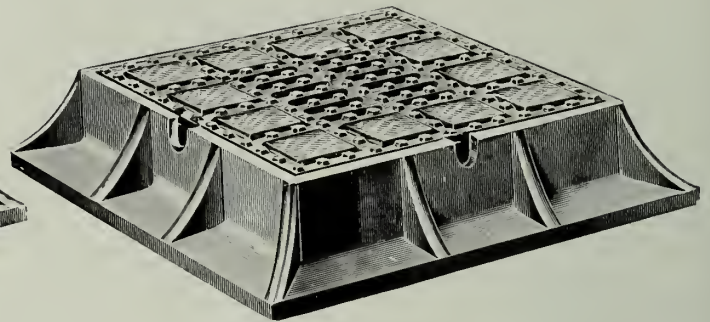
# HEAVY ROAD MANHOLE COVERS.



No. 430.

Fitted with Elm Blocks.

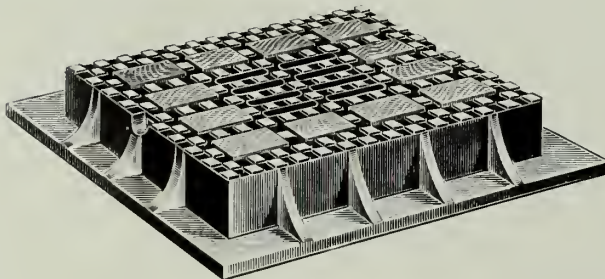
Size of Opening,	20×20 in.	...	Coated.
„ Flange,	32×32 in.	...	
Depth, 6½ in.	...	...	
			105/6



No. 431.

Fitted with Elm Blocks and with Ventilating Holes in Centre.

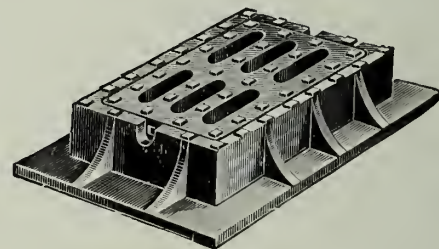
Size of Opening,	20×20 in.	...	Coated.
„ Flange,	32×32 in.	...	
Depth, 6½ in.	...	...	
			101/6



No. 432.

Fitted with Elm Blocks and with Ventilating Holes in Centre.

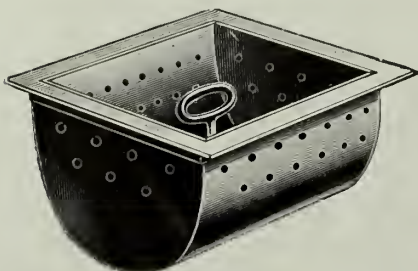
Size of Opening,	19×15 in.	...	Coated.
„ Flange,	33½×29½ in.	...	
Depth, 6½ in.	...	...	
			79/6



No. 433.

With Ventilating Holes in Cover.

Size of Opening,	12×6½ in.	...	Coated.
„ Flange,	21×15½ in.	...	
Depth, 6 in.	...	...	
			29/3

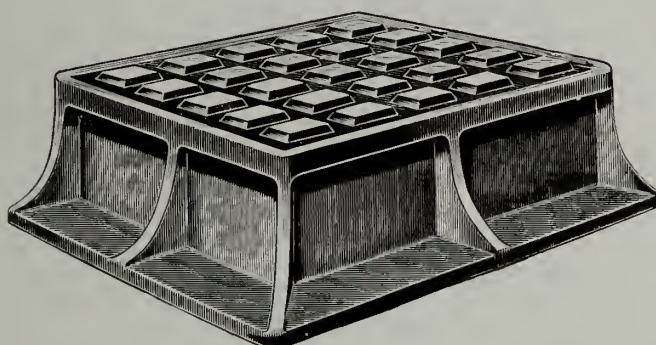


No. 434.

## WROUGHT-IRON MUD BUCKET.

No.		Coated.	Galvanized.
434A	For use with Manhole Cover No. 431	21/-	26/6
434B	Do. No. 432	13/-	17/3
434C	Do. No. 433	10/9	11/9

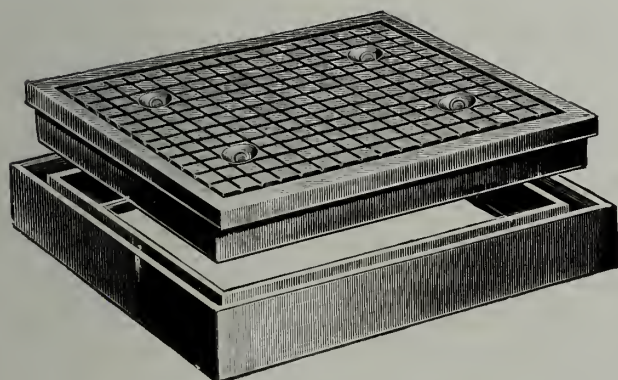
# HEAVY ROAD MANHOLE COVERS.



Fitted with Wood Blocks.

Size of Opening.	No. 436. Depth of Frame, 6 in.	No. 437. Depth of Frame, 8½ in.
	Coated.	Coated.
18 × 18 in. ... ..	61/-	76/-
24 × 18 in. ... ..	70/-	88/3
24 × 24 in. ... ..	83/9	106/6
30 × 24 in. ... ..	105/6	137/6

Strong Lifting Hooks, 1/9 each.

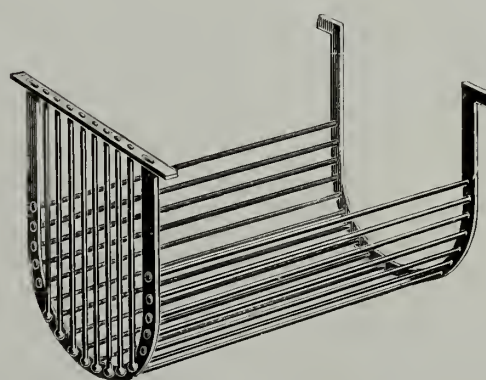


No. 438.

Made to take No. 439 Wrought-iron Cradle.

Size of Opening.	Depth of Frame.	Coated.
34½ × 18 in.	3 in.	85/6

Strong Lifting Hooks, 1/9 each.



No. 439.

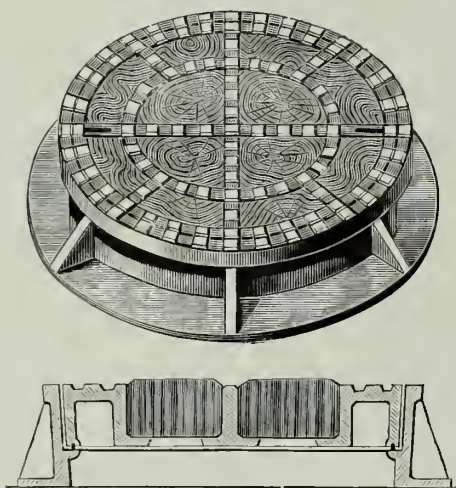
Wrought-iron Cradle.

Length Outside ...	34 in.	Galvanized. 49/9
Width " ...	19¾ in.	
Depth " ...	22 in.	

Quotations given for any further Sizes.



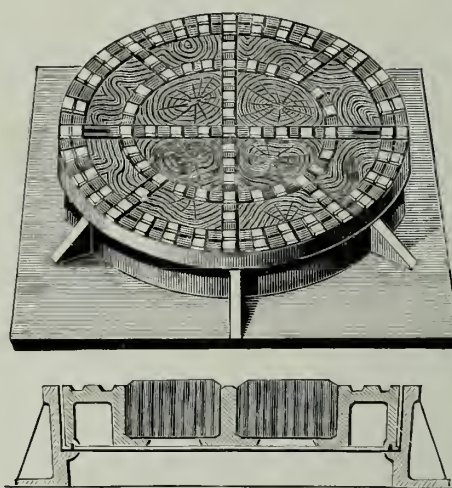
# HEAVY ROAD MANHOLE COVERS.



No. 440.

**Circular Pattern,** Cover fitted with Wood Blocks and Rubber Washer.

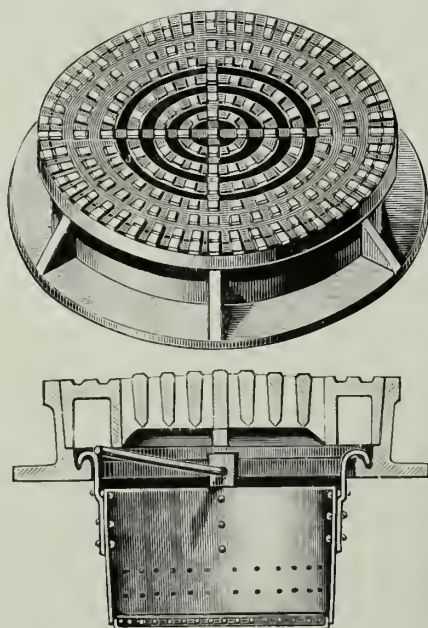
Size of Opening.	Coated.
17 in. diameter ... ..	58/-
22 in. „ ... ..	66/-



No. 441.

**Circular Pattern,** Cover fitted with Wood Blocks and Rubber Washer.

Size of Opening.	Coated.
17 in. diameter ... ..	61/-
22 in. „ ... ..	70/-



No. 442.

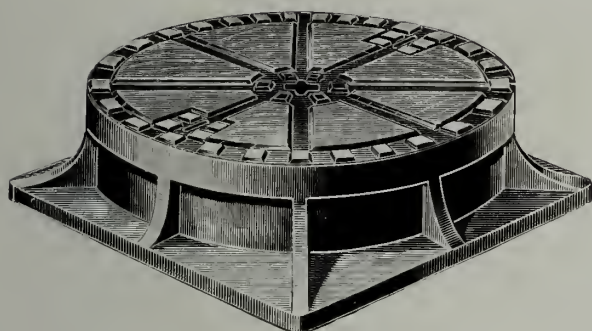
No. 442.

**Circular Pattern,** with Ventilating Holes and fitted with Dirt Pan, or No. 442A Solid Top.

Size of Opening.	No. 442.	No. 442A.
	Coated	Coated.
18½ in. diameter ...	48/-	42/-

**Strong Lifting Hooks,** 1/9 each.

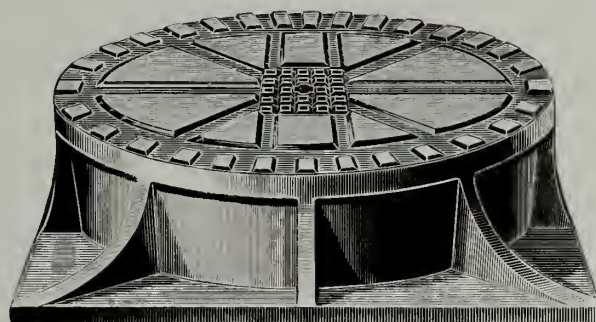
# HEAVY ROAD MANHOLE COVERS.



No. 443.

**Circular Pattern**, fitted with Elm Blocks.

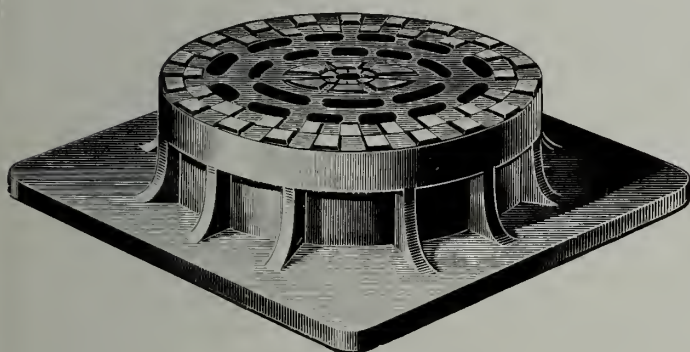
Size of Opening, 21 in. diameter	} Coated.	73/6
„ Flange, 31 × 31 in. ...		
Depth, 6 in. ... ..		



No. 444.

**Oval Pattern**, fitted with Elm Blocks.

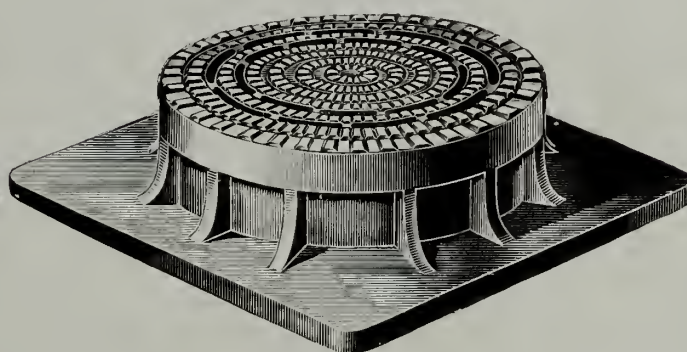
Size of Opening, 21½ × 16½ in. diam.	} Coated.	90/3
„ Flange, 31 × 26 in. ...		
Depth, 8¾ in. ... ..		



No. 445.

**Circular Pattern**, with Ventilating Holes and Wood Blocks in Centre.

Size of Opening, 18 in. diameter	} Coated.	73/6
„ Flange, 30 × 30 in. ...		
Depth, 7 in. ... ..		



No. 446.

**Circular Pattern**, with Ventilating Holes, or No. 446A Solid Top.

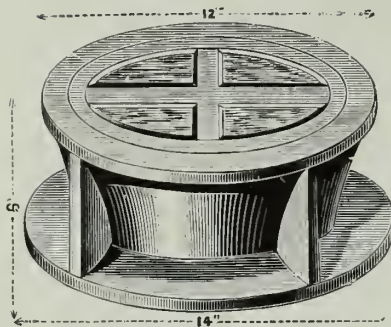
	No. 446	No. 446A
Size of Opening, 20 in. diameter ; size of Flange, 30 × 30 in. ; Depth, 7 in. ...	Coated.	Coated.
	84/3	86/6
Wrought-iron Mud Bucket for No. 446 ...	Coated.	Galvanized.
	17/3	21/-

**Strong Lifting Hooks**, 1/9 each.



# MANHOLE AND LAMPHOLE COVERS.

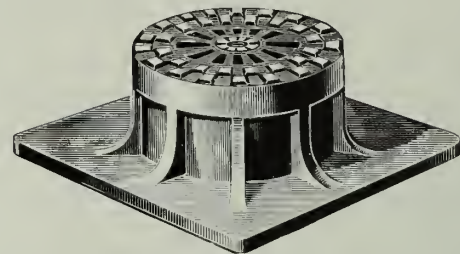
FOR HEAVY ROAD TRAFFIC.



No. 447.

Lamphole Cover, fitted with Wood Blocks.

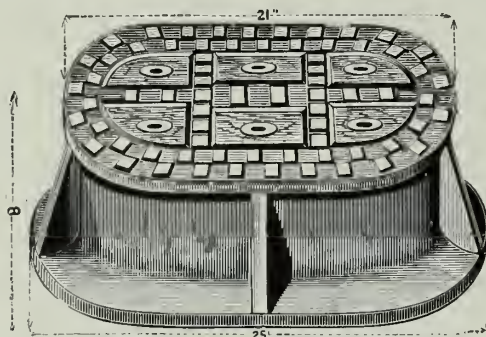
Size of Opening, 7½ in. diameter	} Coated. 42/9



No. 448.

Lamphole Cover, Ventilating Top.

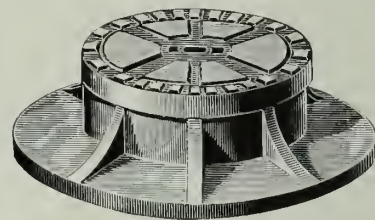
Size of Opening, 9 in. diameter	} Coated. 30/3
„ Flange, 21 in. × 21 in. ...	
Depth, 7 in. ...	



No. 449.

Oval Ventilating Manhole Cover, fitted with Wood Blocks.

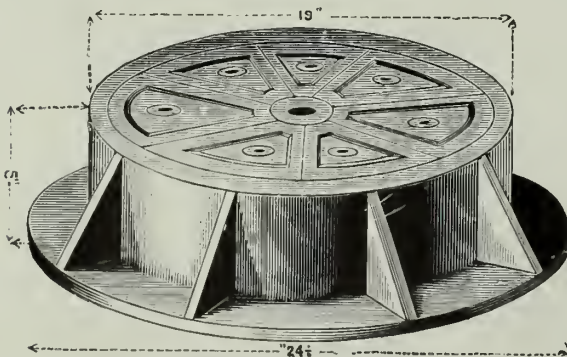
Size of Opening, 16 × 12 in. ...	} Coated. 100/9



No. 450.

Lamphole Cover, fitted with Wood Blocks.

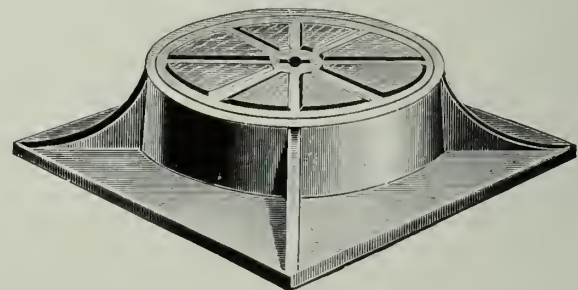
Size of Opening, 11 in. diameter	} Coated. 33/3
„ Flange, 23 in. diameter	
Depth, 5 in. ...	



No. 451.

Ventilating Manhole Cover, fitted with Wood Blocks.

Size of Opening, 15 in. diameter	} Coated. 96/-



No. 452.

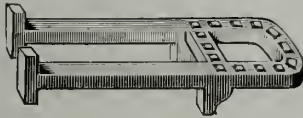
Manhole Cover, fitted with Wood Blocks and Keyhole in Centre.

Size of Opening, 20 in. diameter	} Coated. 95/3
„ Flange, 36 in. × 36 in. ...	
Depth, 6 in. ...	

Strong Lifting Hooks, 1/9 each.

# MANHOLE STEP IRONS.

## CAST-IRON.



No. 455.

		Painted.	Galvd.
Cast-iron, Heavy,	9 in. in Wall	1/9	2/9
" "	4½ in. "	1/3	2/3
" Medium,	9 in. "	8d.	1/4
" "	4½ in. "	6d.	1/-



No. 456.

		Painted.	Galvd.
Cast-iron, Heavy	...	1/9	2/9



No. 457.

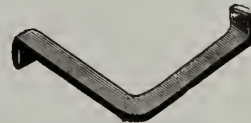
		Painted.	Galvd.
Malleable Cast-iron	...	2/9	3/9

## WROUGHT-IRON.



No. 458.

		Painted.	Galvd.
Wrought-iron	...	1/6	2/6



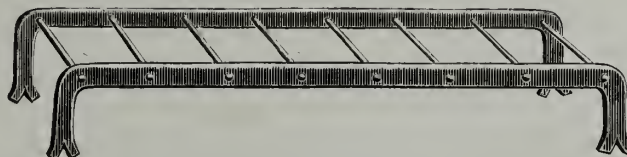
No. 459.

		Painted.	Galvd.
Wrought-iron	...	1/6	2/6

Above are Stock Patterns.

Any other Size or Pattern made to Order.

# WROUGHT-IRON STEP LADDER.



No. 460.

PRICES ON APPLICATION.



# SOIL AND WASTE PIPES.

( $\frac{1}{4}$  in. METAL, L.C.C.,  $\frac{3}{16}$  in. METAL AND L.S.R.W. PATTERNS.)



	Sizes, Internal Diameter	... inches	2	2½	3	3½	4	5	6
No. 467 ¼ in. METAL HEAVY.	Weight per 6 ft. length	... ..	34 lb.	40 lb.	48 lb.	54 lb.	60 lb.	80 lb.	98 lb.
	Prices per Yard.	{ Coated ... .. Galvanized ... ..	2/3	2/6	3/-	3/4½	3/9½	5/6	6/9
			3/8	4/3	5/2	5/9	6/6	8/9	10/6
No. 468 L. C. C. PATTERN.	Weight per 6 ft. length	... ..	28 lb.	33 lb.	40 lb.	48 lb.	54 lb.	69 lb.	84 lb.
	Prices per Yard.	{ Coated ... .. Galvanized ... .. Glass Enamelled Inside ...	2/-	2/3	2/11	3/2	3/6	5/-	6/-
			3/3½	3/10	4/9	5/5	6/1	8/6	10/3
3/6			4/3	5/-	5/9	6/3	8/9	10/6	
No. 469 ⅜ in. METAL MEDIUM.	Weight per 6 ft. length*	... ..	26 lb.	28 lb.	36 lb.	40 lb.	46 lb.	—	—
	Prices per Yard.	{ Coated ... .. Galvanized ... ..	1/10	2/1	2/4½	2/9½	3/1	4/3	5/6
			3/-	3/6	4/3	5/-	5/6	8/-	9/9
No. 470 L. S. R. W. LIGHT.	Prices per Yard.	{ Coated ... .. Galvanized ... ..	1/8	1/10	2/1	2/7	2/9	4/1	5/-
			2/9	3/3	3/9	4/6	5/-	—	—
Short Lengths and Double Socket Pipes, Extra per Yard ... ..			{	Coated ... 3d.					4d.
				Galvanized ... 5½d.					8d.
Nos. 467 and 468 Stocked with and without Ears.									

Nos. 467 and 468 Stocked with and without Ears.

## L.C.C. SOIL AND WASTE FITTINGS.

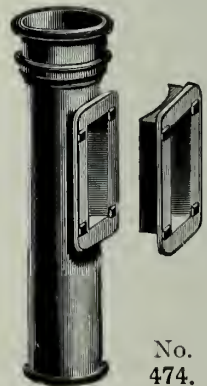
SHORT PIPES having Access Door, with Felt Washer.



No. 473.

2 G.M. Screws.

No.	Sizes, Internal Diam., ins....		2	2½	3	3½	4	5	6
473	Oval Door,	Coated ...	6/5	6/8	7/2	8/-	8/6	11/-	13/2
"	"	Galvd. ...	7/11	8/6	9/5	10/9	11/6	16/6	18/8
474	Square Door,	Coated ...	11/6	12/-	12/9	13/6	14/-	18/3	20/6
"	"	Galvd. ...	14/9	15/9	16/9	18/6	19/3	24/9	28/6



No. 474.

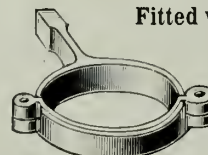
LOOSE SOCKETS, with or without Ears.



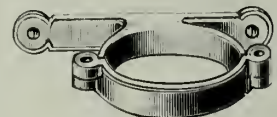
No. 475.



No. 476.



No. 478.



No. 479.

HOLDERBATS.

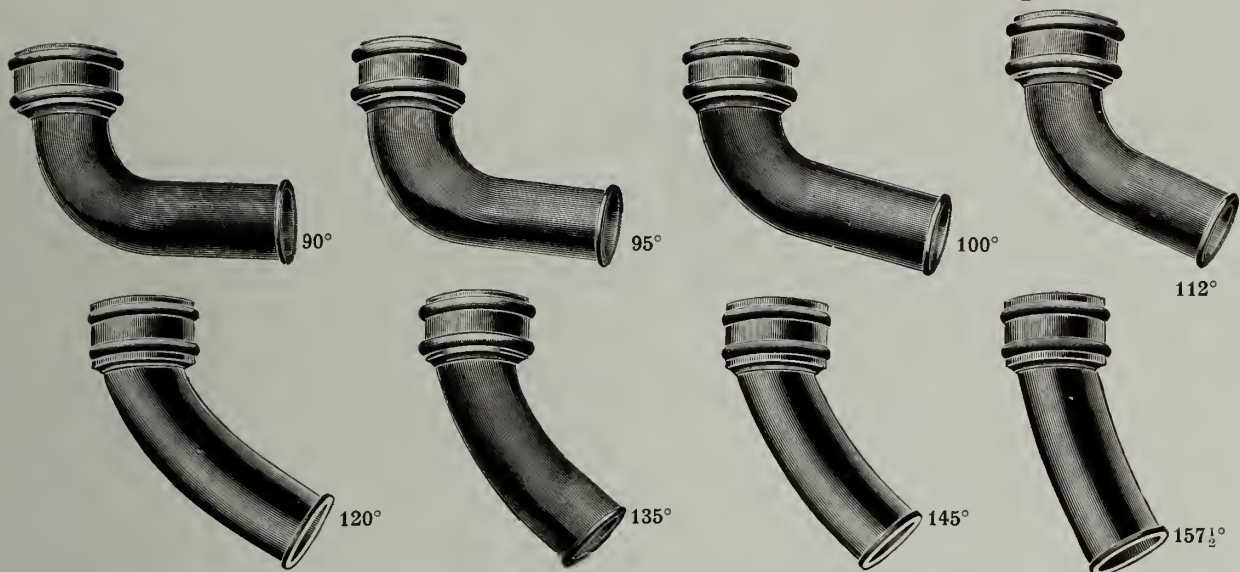
Fitted with  $\frac{1}{4}$  in. Brass Bolts and Nuts.

4 G.M. Bolts and Nuts.

Sizes, inches	2	2½	3	3½	4	5	6
Coated ...	11d.	1/-	1/2	1/5	1/8	2/4	2/8
Galvanized ...	1/6	1/8	1/11	2/3	2/8	3/9	4/3

Sizes, inches	2	2½	3	3½	4	5	6
Coated ...	1/8	1/9	1/11	2/-	2/2	2/8	2/11
Galvanized ...	2/4	2/5	2/7	2/8	2/11	3/8	4/3

# L.C.C. SOIL AND WASTE BENDS.



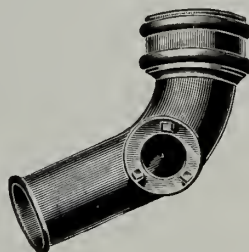
No.	Sizes, Internal Dia. ... ins.	2	2½	3	3½	4	5	6
480	Coated ... .. each	1 8	1/10	2/-	2/6	2/10	4/-	5/6
	Galvanized ... .. „	2/8	3/-	3/6	4/3	4/9	7/-	8/9



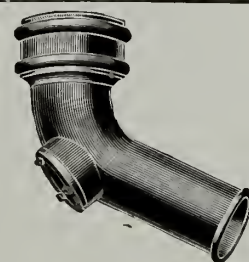
No. 481.

## L.C.C. SOIL AND WASTE BENDS.

Fitted with Access Door,  
Brass Screws and Washer.



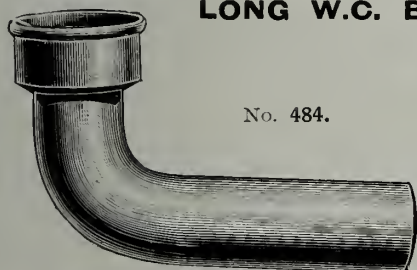
No. 482.



No. 483.

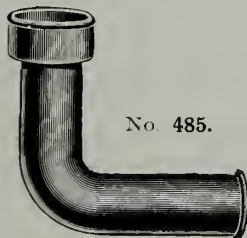
Stock Angles, 90°, 95°, 100°, 112½°, 120°, 135°, 145° and 157½°.

Sizes, Internal Diameter ... inches	2	2½	3	3½	4	5	6
Coated ... .. each	6/7	6/9	6/11	7/9	8/1	10/6	12/2
Galvanized ... .. „	8/-	8/5	9/1	10/1	10/9	14/9	16/11



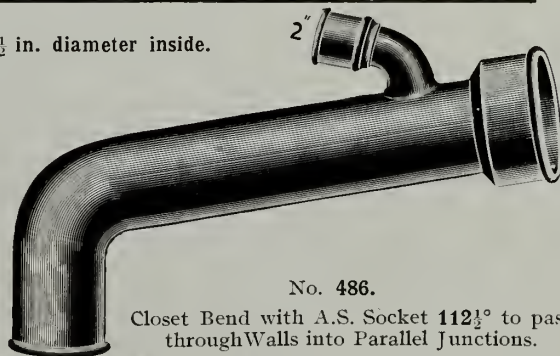
No. 484.

Angle 90°. Length of Spigot, 17½ in.



No. 485.

Angle 90°.



No. 486.

Closet Bend with A.S. Socket 112½° to pass  
through Walls into Parallel Junctions.

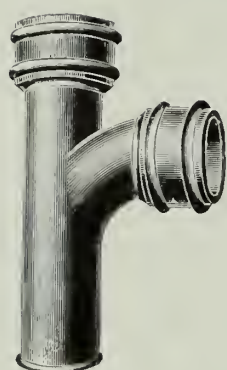
No. 484.	Sizes, inches	...	Coated.	Galvd.
3½ in. Internal Diameter	...		4/3	7/3
4 in. Do.	do.	...	4/8	8/-

Thickness of Walls, in.		9	14	18	9 in. and R & L, hand 90° Closets.
Internal diameter 4 in. only	Coated ...	8/-	9/-	10/6	12/-
	Galvd. ...	14/-	15/9	18/6	21/-

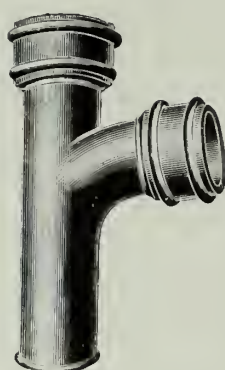
No. 485.	Sizes (Inside Bend), inches	...	...	12 × 12	14 × 14	15 × 15	16 × 16	17 × 17	20 × 20	22 × 22
3½ in. Internal Diameter,	Coated...	...	...	4/8	5/-	6/-	6/6	7/-	8/-	9/6
Do. do.	Galvanized	...	...	8/3	8/9	10/6	11/6	12/3	14/-	16/9
4 in. Internal Diameter,	Coated...	...	...	5/-	5/6	6/6	7/-	7/6	8/6	10/-
Do. do.	Galvanized	...	...	9/-	9/9	11/6	12/3	13/3	15/-	17/6



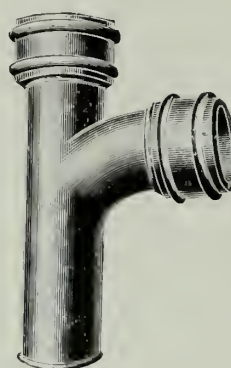
# L.C.C. SOIL AND WASTE BRANCHES.



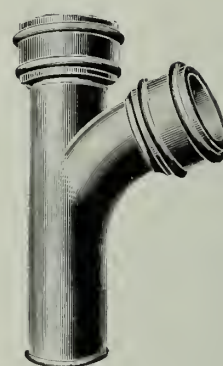
90°.



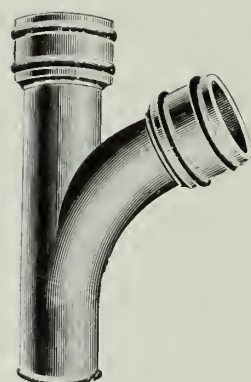
95°.



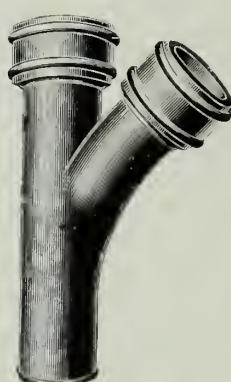
100°.



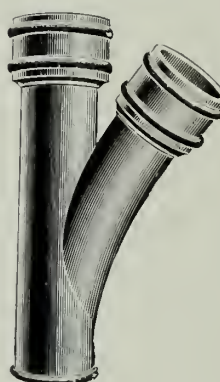
112½°.



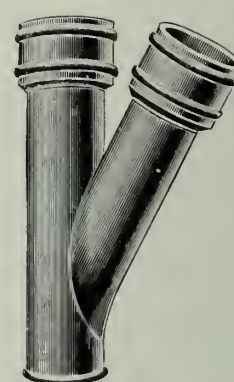
120°.



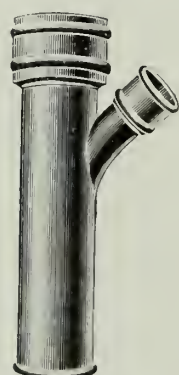
135°.



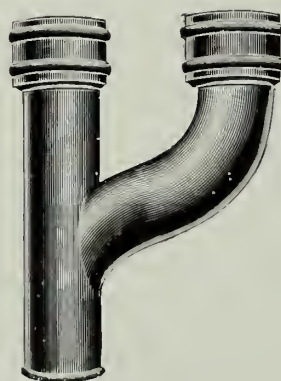
145°.



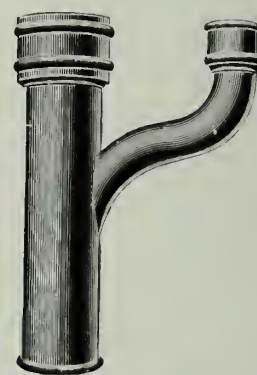
157½°.



No. 491. Diminishing.



No. 492. Parallel.



No. 493. Parallel, Diminishing.

No.	Sizes, Internal Diameter, inches ...						2	2½	3	3½	4	5	6
490	Coated	...	...	...	...	...	2/-	2/6	3/-	3/6	4/-	6/9	9/4
	Galvanized	...	...	...	...	...	3/3	4/-	4/10	5/8	6/6	11/-	15/-

No. 491. Diminishing Branches

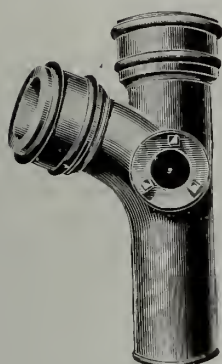
No. 492. Parallel Branches

No. 493. Parallel Diminishing Branches

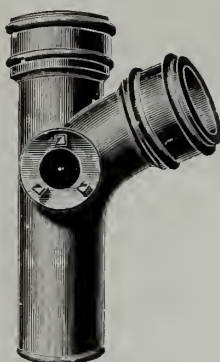
} Same Price as above.

# L.C.C. SOIL AND WASTE BRANCHES.

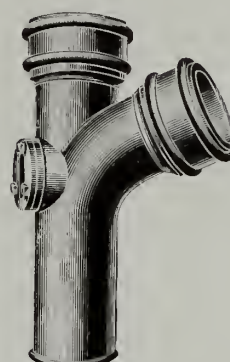
FITTED WITH ACCESS DOOR, BRASS SCREWS AND WASHER.



No. 494. Left.



No. 495. Right.



No. 496. Back.

Stock Angles, 90°, 95°, 100°, 112½°, 135°, 145°, 157½°.

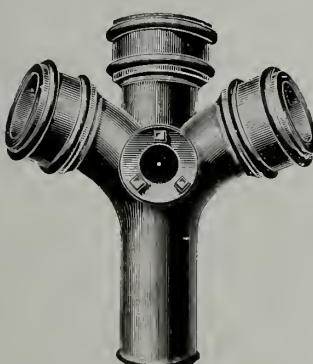
Sizes, Internal Diameter, inches ...	2	2½	3	3½	4	5	6
Coated ...	6/11	7/5	7/11	8/9	9/3	13/3	16/-
Galvanized ...	8/7	9/5	10/5	11/6	12/6	18/9	23/2

Diminishing Branches, with Access Door, same Price as above.

## DOUBLE L.C.C. SOIL AND WASTE BRANCHES.



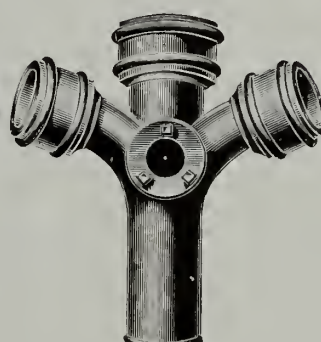
No. 497.  
Equal.



No. 498.  
Equal, with Access Door.



No. 499.  
Diminishing.



No. 500.  
Diminishing, with  
Access Door.

Stock Angle, 112½°.

No.	Sizes, Internal Diameter, inches ...	2	2½	3	3½	4	5	6
497 Equal	Coated ...	3/2	3/9	4/3	4/10	5/6	8/10	11/8
	Galvanized ...	5/3	6/3	7/-	8/-	9/-	14/6	19/-
498 Equal with Access Door.	Coated ...	8/1	8/8	9/2	10/1	10/9	15/4	18/4
	Galvanized ...	10/7	11/8	12/7	13/10	15/-	22/3	27/2

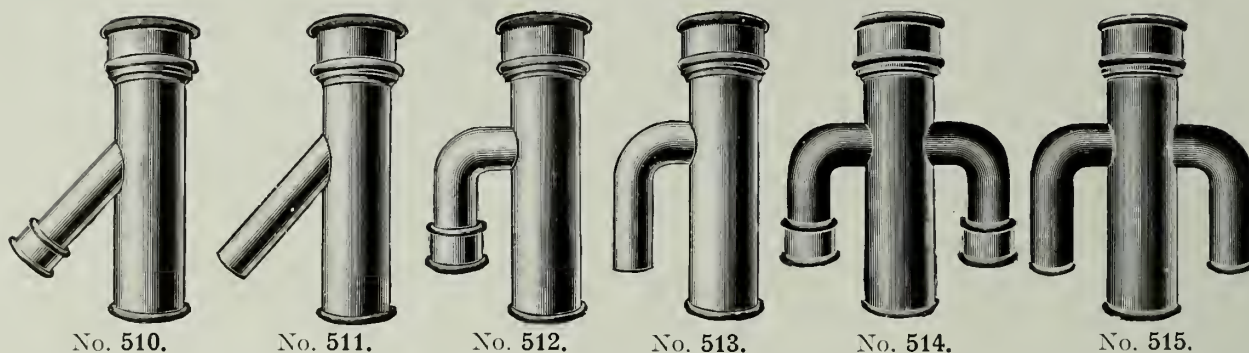
No. 499. Diminishing Double Branches, same Prices as No. 497.

No. 500. Do. do. with Access Door, same Prices as No. 498.



# L.C.C. SOIL AND WASTE FITTINGS.

## ANTI-SYPHON INVERTED BRANCHES.



No. 510.

No. 511.

No. 512.

No. 513.

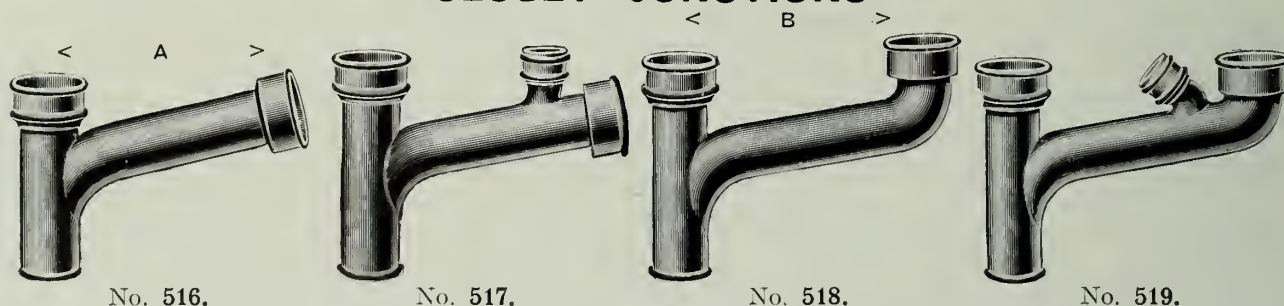
No. 514.

No. 515.

## EQUAL AND DIMINISHING.

Nos.	Sizes, Internal Diameter.					Coated.	Galvd.
510, 511, 512, 513	2 × 2 in.	—	—	—	—	2/-	3/3
	2½ × 2½ in.	2½ × 2 in.	—	—	—	2/6	4/-
	3 × 3 in.	3 × 2½ in.	3 × 2 in.	—	—	3/-	4/10
	3½ × 3½ in.	3½ × 3 in.	3½ × 2½ in.	3½ × 2 in.	—	3/6	5/8
514, 515	4 × 4 in.	4 × 3½ in.	4 × 3 in.	4 × 2½ in.	4 × 2 in.	4/-	6/6
	2 × 2 in.	—	—	—	—	3/2	5/3
	2½ × 2½ in.	2½ × 2 in.	—	—	—	3/9	6/3
	3 × 3 in.	3 × 2½ in.	3 × 2 in.	—	—	4/3	7/-
	3½ × 3½ in.	3½ × 3 in.	3½ × 2½ in.	3½ × 2 in.	—	4/10	8/-
	4 × 4 in.	4 × 3½ in.	4 × 3 in.	4 × 2½ in.	4 × 2 in.	5/6	9/-

## CLOSET JUNCTIONS



No. 516.

No. 517.

No. 518.

No. 519.

## FOR P and S OUTLETS, WITH OR WITHOUT ANTI-SYPHON SOCKETS.

Sizes Internal Diameter	Projection (inches)	6	9	12	15	16	17	18	19	20	21	22	24	27	30	33	36
3½ in.	Coated ...	5/6	6/-	6/6	7/-	7/-	7/6	7/6	7/8	7/10	8/-	8/2	8/6	9/6	10/6	11/6	12/6
	Galvanized ...	9/9	10/6	11/6	12/3	12/3	13/3	13/3	13/6	13/9	14/-	14/3	15/-	16/9	18/6	20/3	22/-
4 in.	Coated ...	6/-	6/6	7/-	7/6	7/6	8/-	8/-	8/2	8/4	8/6	8/8	9/-	10/-	11/-	12/-	13/-
	Galvanized ...	10/6	11/6	12/3	13/3	13/3	14/-	14/-	14/3	14/9	15/-	15/3	15/9	17/6	18/6	21/-	22/9

Measurement for projection of Nos. 516 and 517 is taken from centre of vertical pipe to bottom of socket on Branch, as shewn by dotted line A.

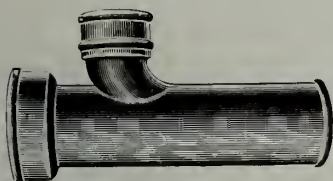
Measurement for projection of Nos. 518 and 519 is taken from centre of vertical pipe socket to edge of socket on Branch, as shewn by dotted line B.

Anti-Syphon Socket as Nos. 517 and 519 cast on. Extra to above prices, Coated, 1/6 ; Galvd., 2/- each.

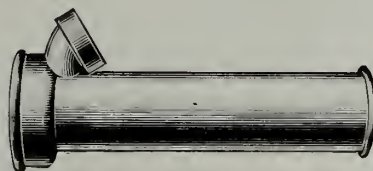
Access Doors fitted on Junction at back, 5/3 extra.

# L.C.C. SOIL AND WASTE FITTINGS.

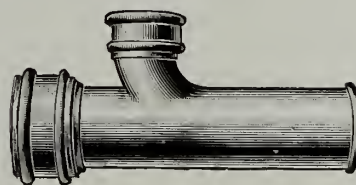
## ANTI-SYPHON BRANCHES FOR W.C. OUTLET.



No. 520.



No. 521.



No. 522.

Sizes, Internal Diameter, inches ...			$3\frac{1}{2} \times 18$ long	$3\frac{1}{2} \times 24$ long	$4 \times 18$ long	$4 \times 24$ long
Nos. 520 and 521, Socket, $5\frac{1}{2}$ in. dia.	Coated ...	...	3/6	4/6	4/-	5/-
	Galvanized ...	...	5/8	6/8	6/6	7/6
No. 522 Socket for Iron.	Coated ...	...	3/6	4/6	4/-	5/-
	Galvanized ...	...	5/8	6/8	6/6	7/6

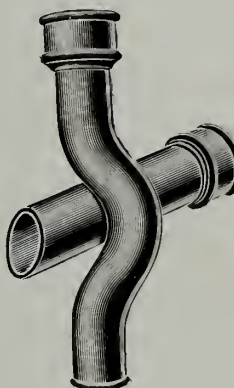
## SHORT W.C. CONNECTION.

SOCKET  $5\frac{1}{2}$  in. DIAMETER INSIDE.



No. 524.

Sizes, Internal Diameter	Length (inches).	6	9	12	15	18	21	24
$3\frac{1}{2}$ inches.	Coated	1/10	1/10	2/1	2/7	2/10	3/4	3/10
	Galvd.	3/3	3/4	3/8	4/6	5/-	5/10	6/8
4 inches.	Coated	2/-	2/-	2/3	2/9	3/-	3/6	4/-
	Galvd.	3/6	3/6	4/-	4/10	5/3	6/3	7/-



No. 525.

## PASS-OVER PIPE.

TO PASS OVER 4 in. PIPE.

Sizes, Internal Dia. ins.	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Coated	3/6	4/6	5/6	6/6	7/6
Galvd.	6/3	8/-	9/9	11/6	13/3



No. 526.

## ROOF SYPHON.

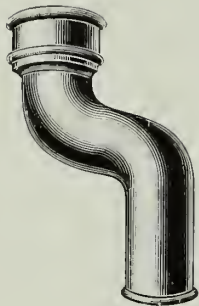
TO CLEAR 6 in. EAVES GUTTER.

Sizes, Internal Diameter, ins. ...	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Coated ...	3/6	4/4	4/8	5/3	5/8
Galvanized ...	5/9	7/-	7/6	8/6	9/3



# L.C.C. SOIL AND WASTE FITTINGS.

## OFFSETS.



No. 527.

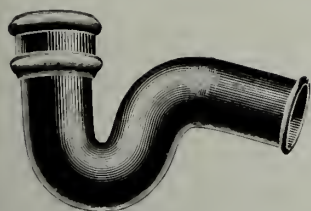
Projection, inches ..		3	4½	6	9	12	15	18	21	24	27	30	33	36
Sizes : Internal dia. 2 in.	Coated ...	1/6	1/10	2/-	2/8	3/2	4/-	4/9	5/6	6/6	7/6	8/6	9/6	10/6
	Galvanized ...	2/6	2/11	3/3	4/3	5/-	6/3	7/3	8/3	9/3	13/2	15/-	16/8	18/6
2½ in.	Coated ...	1/10	2/-	2/4	3/-	3/8	4/3	5/-	5/9	6/9	7/9	8/9	9/9	10/9
	Galvanized ...	3/-	3/4	3/9	4/10	6/-	7/-	8/-	9/-	10/-	13/7	15/3	17/1	18/9
3 in.	Coated ...	2/3	2/8	3/2	3/8	4/3	4/9	5/6	6/6	7/6	8/6	9/6	10/6	11/6
	Galvanized ...	3/8	4/3	5/1	6/-	6/11	7/9	9/-	10/3	11/6	15/-	16/8	18/6	20/3
3½ in.	Coated ...	2/8	3/2	3/8	4/3	5/2	5/6	6/6	7/6	8/6	9/6	10/6	11/6	12/6
	Galvanized ...	4/4	5/2	6/-	6/11	8/4	9/-	10/6	12/-	13/6	16/8	18/6	20/3	22/-
4 in.	Coated ...	3/2	3/8	4/3	5/-	5/8	6/6	7/6	8/6	9/6	10/6	11/6	12/6	13/6
	Galvanized ...	5/2	6/-	6/10	8/-	9/2	10/6	12/-	13/6	15/-	18/6	20/3	22/-	23/9
5 in.	Coated ...	4/8	5/6	6/6	7/6	8/3	9/-	10/-	11/6	13/-	—	—	—	—
	Galvanized ...	7/6	9/-	10/6	12/-	13/3	14/6	16/-	18/-	20/-	—	—	—	—
6 in.	Coated ...	7/-	7/9	8/9	9/9	11/8	13/-	14/-	15/-	16/-	—	—	—	—
	Galvanized ...	11/6	12/6	13/9	15/6	18/-	20/-	22/-	23/9	25/6	—	—	—	—



No. 528.

## LONG OFFSETS.

Projection, inches ...		3	4½	6	9	12
Sizes : Internal dia. 2 in.	Coated...	6/9	7/3	7/6	8/-	9/-
	Galvanized	11/9	12/9	13/3	14/-	15/9
2½ in.	Coated...	7/9	8/3	8/6	9/-	9/6
	Galvanized	13/9	14/6	15/-	15/9	16/9
3 in.	Coated...	8/6	8/6	8/6	9/6	9/6
	Galvanized	15/-	15/-	15/-	16/9	16/9
3½ in.	Coated...	9/6	9/6	9/6	10/6	10/6
	Galvanized	16/9	16/9	16/9	18/6	18/6
4 in.	Coated...	10/6	10/6	10/6	11/6	11/6
	Galvanized	18/6	18/6	18/6	20/3	20/3

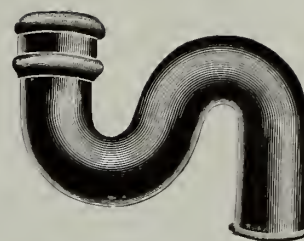


No. 530.

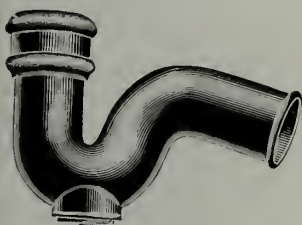
# L.C.C. SOIL AND WASTE FITTINGS.

## TRAPS.

With and without Cleaning Doors.

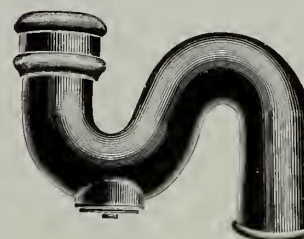


No. 533.

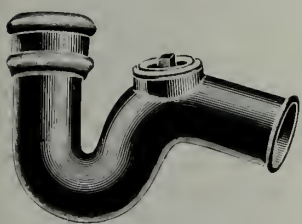


No. 531.

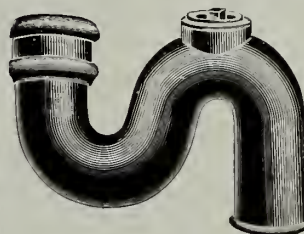
No.	Sizes, Internal Dia., ins.	2	2½	3	3½	4
530	Coated ...	4/3	4/9	5/3	5/9	6/6
	Galvanized ...	6/-	7/-	8/3	9/-	10/3
531	Coated ...	10/3	11/3	12/3	13/3	14/6
	Galvanized ...	12/-	13/6	15/3	16/6	18/3
532	Coated ...	10/3	11/3	12/3	13/3	14/6
	Galvanized ...	12/-	13/6	15/3	16/6	18/3
533	Coated ...	4/3	4/9	5/3	5/9	6/6
	Galvanized ...	6/-	7/-	8/3	9/-	10/3
534	Coated ...	10/3	11/3	12/3	13/3	14/6
	Galvanized ...	12/-	13/6	15/3	16/6	18/3
535	Coated ...	10/3	11/3	12/3	13/3	14/6
	Galvanized ...	12/-	13/6	15/3	16/6	18/3



No. 534.



No. 532.



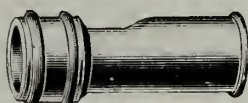
No. 535.

## DIMINISHING PIPES.



Socket, Large End.

No. 537.



Socket, Small End.

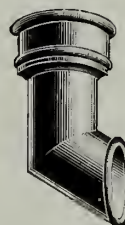
No. 538.

## FERRULE.

With Brass Screw Cap.



No. 539.



No. 540.

## SHOE.

With or without Ears.

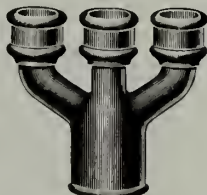
Sizes, Internal Diameter, ins.				Coated.	Galvd.
2½ × 2	—	—	—	1/8	2/10
3 × 2½	3 × 2	—	—	1/11	3/2
3½ × 3	3½ × 2½	3½ × 2	—	2/4	4/-
4 × 3½	4 × 3	4 × 2½	4 × 2	2/9	4/6
5 × 4	—	—	—	4/-	6/6
6 × 5	6 × 4	—	—	5/6	8/3

Sizes, Internal Diam. ins.		2	2½	3	3½	4
No. 539 <b>FERRULE</b>	Coated ...	6/-	6/6	7/-	7/8	8/6
	Galvd. ...	10/6	11/6	12/3	13/6	15/-
No. 540 <b>SHOE</b>	Coated ...	1/2	1/4	1/6	2/-	2/4
	Galvd. ...	1/11	2/3	2/6	3/3	3/9

## GULLY INLET CONNECTIONS.



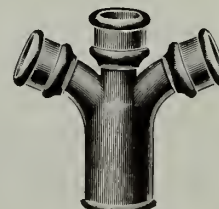
No. 541.



No. 542.



No. 543.



No. 544.

		No. 541.		No. 542.		No. 543.		No. 544.	
Sizes, Internal Diameter, ins. ...		3 × 2 × 2	4 × 2 × 2	3 × 2 × 2 × 2	4 × 2 × 2 × 2	3 × 2 × 2	4 × 2 × 2	3 × 2 × 2 × 2	4 × 2 × 2 × 2
Coated ...	...	3/3	3/9	5/-	5/3	3/9	4/-	5/-	5/6
Galvanized ...	...	5/9	6/6	8/9	9/3	6/6	7/-	8/9	9/9



# ORNAMENTAL CAST-IRON RAINWATER HEADS.

No. 550.



No. 551.



No. 552.



Also made Angular,  
No. 552A.

No. 553.



No. 557.



No. 554.



Also made larger, No. 554B.

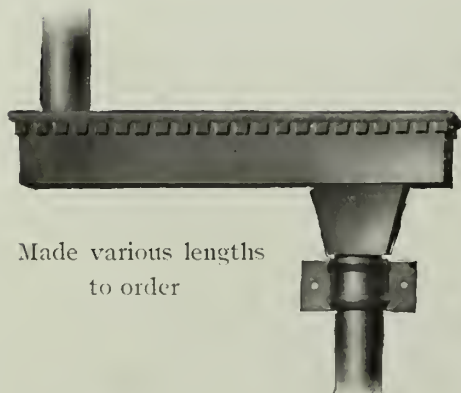
No. 556.



No. 558.

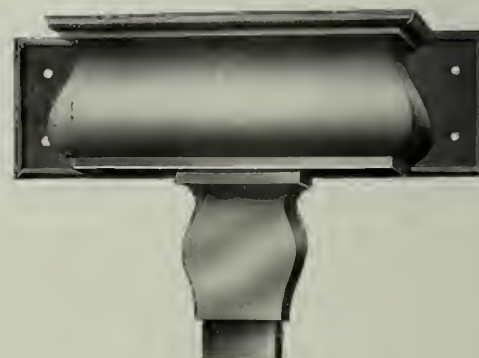


No. 559.



Made various lengths  
to order

No. 560.



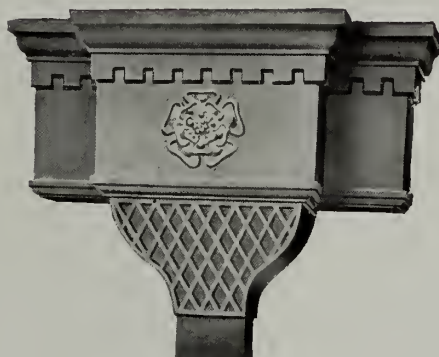
For Sizes and Prices see page 91.

# ORNAMENTAL CAST-IRON RAINWATER HEADS.

No. 561.



No. 562.



No. 563.



No. 564.



No. 565.



Also made larger, No. 565 B.

No. 566.



No. 567.



No. 568.



Made various lengths to order.

No. 569.



Also made Angular. No. 567A.

Also made larger. No. 569B.

No. 570.



Made various lengths to order.

No. 571.



For Sizes and Prices see page 91.



# ORNAMENTAL CAST-IRON RAINWATER HEADS

(SHEWN ON PAGES 89-90).

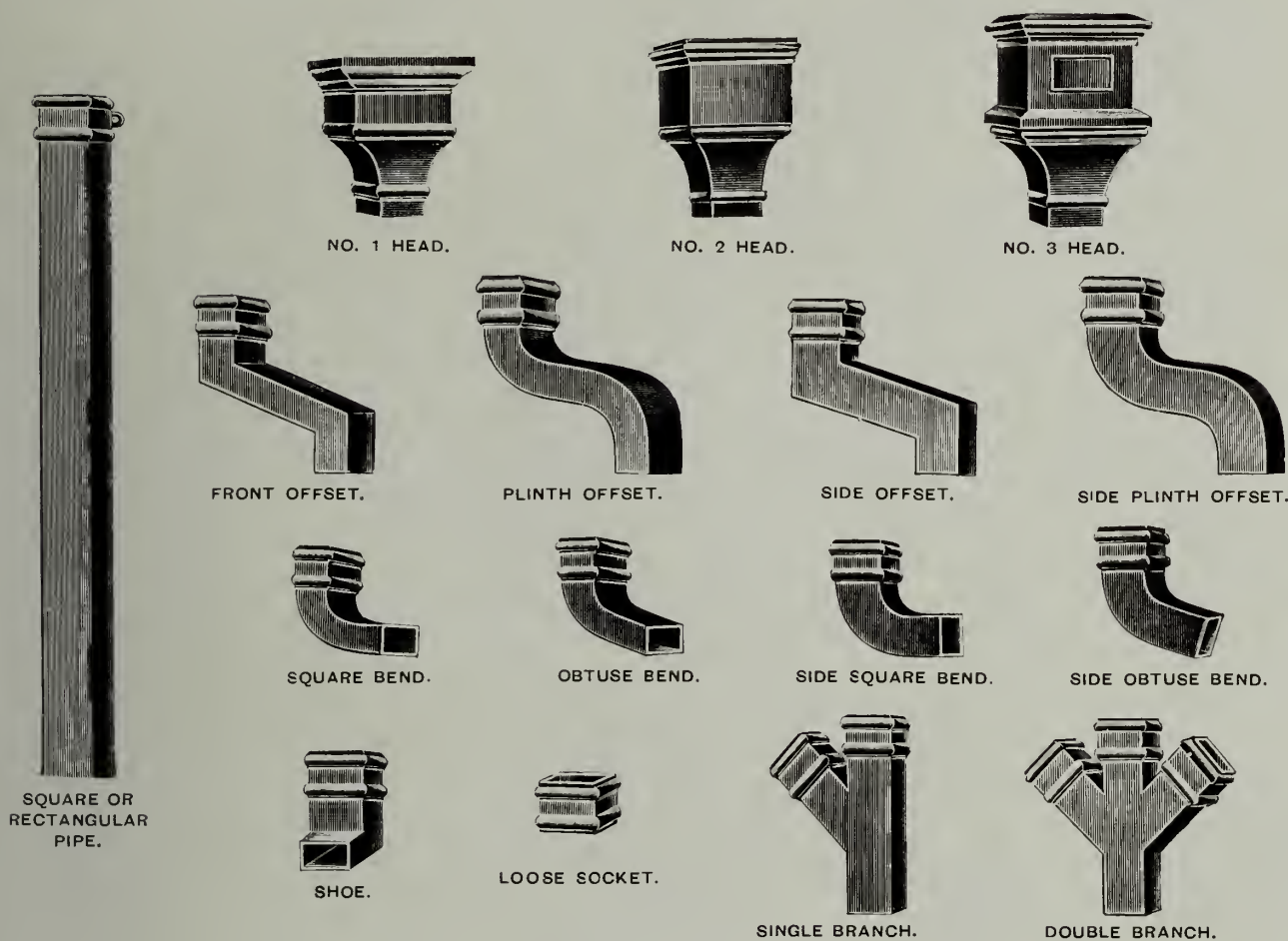
## MEASUREMENTS AND PRICES.

List Number.	Length exclusive of Ears.	Extreme Projection.	Depth.	Length over Ears.	Circular Outlets, all sizes up to	Rectangular Outlets, all sizes up to	PRICE EACH.	Remarks.
550	16	10	18	16	4	4 × 4	26/3	
551	17	10 $\frac{1}{4}$	14		4	—	20/3	—
552	18	6	12	23	3	3 × 3	13/3	
552A	11 $\frac{1}{2}$	11 $\frac{1}{2}$	12	14 × 14	3	—	15/-	
553	13 $\frac{1}{2}$	8 $\frac{1}{2}$	6 $\frac{1}{2}$	—	4	4 × 3	8/9	Outlet can be at either end, or in centre, as shewn.
554	10 $\frac{3}{4}$	6 $\frac{3}{8}$	7	13	3	4 × 3	8/9	Do.
554B	17	7 $\frac{1}{4}$	8	20	4	4 × 4	11/9	Do.
556	20 $\frac{1}{4}$	7 $\frac{1}{2}$	19	—	4	—	20/3	
557	18	7	24	20	4	4 × 3	32/6	
558	24	9 $\frac{1}{2}$	18 $\frac{3}{8}$	28	4	4 × 4	20/3	
559	24	5	9	—	3	4 × 3	11/6	Any longer length supplied at 2/- per 6 ins., or 4/- per foot extra.
560	23 $\frac{1}{2}$	9 $\frac{1}{2}$	19 $\frac{3}{4}$	30	4	4 × 4	32/6	
561	20 $\frac{1}{2}$	10 $\frac{1}{2}$	18	—	4	4 × 3	24/6	
562	24 $\frac{1}{2}$	9	17	—	4	4 × 3	29/-	
563	15	9	27	19	4	4 × 4	29/-	
564	14	8	18	20	4	4 × 4	26/3	
565	15	9	16	21	4	—	13/3	
565B	21	10 $\frac{1}{2}$	18	27	4	—	22/-	
566	20 $\frac{1}{2}$	10	16	21 $\frac{1}{2}$	4	4 × 3	21/-	
567	14	7	13	18	4	4 × 3	13/3	
567A	10 $\frac{1}{4}$	10 $\frac{1}{4}$	13	12 × 12	4	4 × 4	16/9	
568	18	9	6 $\frac{1}{2}$	24	4	4 × 4	13/3	Any longer length supplied at 3/- per 6 ins., or 6/- per foot extra.
569	13 $\frac{1}{4}$	7 $\frac{1}{2}$	14	16	3	—	14/-	
569B	16 $\frac{1}{2}$	9	15	20	4	—	16/9	
570	18	7	7	—	4	4 × 4	15/-	Any longer length supplied at 3/- per 6 ins., or 6/- per foot extra.
571	18	9	9	—	4	4 × 4	15/-	Do.

Dates cast on, 3/- extra.

Monograms, etc., to order.

# SQUARE AND RECTANGULAR RAINWATER PIPES AND FITTINGS.



## PLAIN CAST-IRON.

Sizes, inches ... ..	3×2	3×2½	3×3	3½×2½	4×2 4×2½	4×3	4×4	5×3½	5×4	5×5 6×4
Pipes, in 6 ft. lengths, per yard	3/-	3/1	3/1½	3/2	3/8	3/9	4/6	5/3	5/9½	6/1½
„ 4, 3 & 2ft. Short Lengths, ex. „	6d.	6d.	6d.	6d.	6d.	6d.	9d.	9d.	9d.	9d.
Heads, No. 1 ... .. each	4/9	4/9	4/9	4/9	4/9	4/9	5/6	—	6/-	—
Do. No. 2 ... .. „	9/3	9/3	9/3	9/3	10/-	10/-	—	—	—	—
Do. No. 3 ... .. „	10/6	10/6	10/6	11/6	13/6	13/6	14/-	14/6	15/-	15/6
Offsets, Front, 2½ and 3 in.										
Projection ... .. each	3/-	3/-	3/6	3/6	3/8	3/8	4/10	5/6	6/-	7/-
Do., 4½ and 6 in. Projec. „	3/6	3/6	4/-	4/-	4/1	4/1	5/3	6/3	6/6	7/9
Do., 9 in. Projection „	4/3	4/3	5/-	5/-	5/2	5/2	6/6	7/9	8/3	9/6
Do., 12 in. „ „	5/-	5/-	5/10	5/10	6/2	6/2	8/-	9/3	10/-	11/6
Do., 15 in. „ „	7/6	7/6	8/9	8/9	9/3	9/3	12/-	13/9	15/-	17/-
Do., 18 in. „ „	10/-	10/-	11/9	11/9	12/3	12/3	16/-	18/6	20/-	22/9
Bends, Square or Obtuse „	2/6	2/6	3/-	3/-	3/1	3/1	4/-	4/8	5/-	5/9
Shoes ... .. „	2/6	2/6	3/-	3/-	3/1	3/1	4/-	4/8	5/-	5/9
Loose Sockets ... .. „	1/4	1/4	1/6	1/6	1/7	1/7	2/-	2/4	2/6	2/10
Branch, Single ... .. „	4/-	4/-	4/6	4/6	4/9	4/9	6/3	7/-	7/6	8/6
Do., Double ... .. „	5/-	5/-	5/9	5/9	6/3	6/3	8/-	9/3	10/-	11/6

Side Offsets, Plinths, Bends, and Shoes, 25% extra.

Corner Offsets, Plinths, Bends, and Shoes, 50% extra.

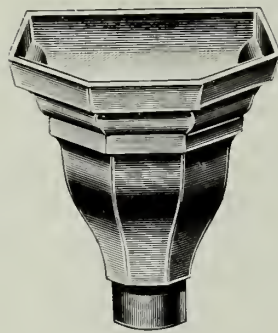
Extra for above Pipes and Fittings, Painted, 5%.



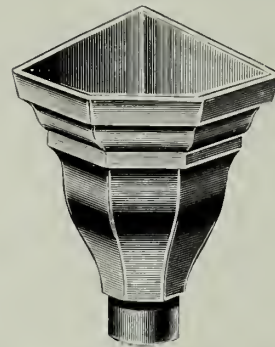
# ROUND RAINWATER PIPES AND FITTINGS.



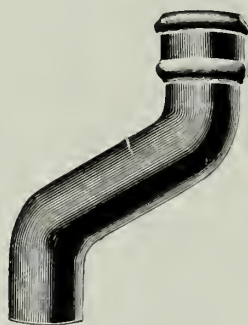
PIPE, WITH  
OR WITHOUT  
EARS.



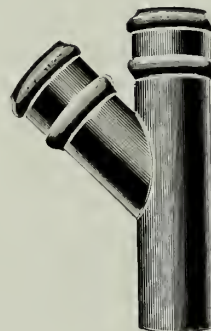
HEAD, FLAT BACK.



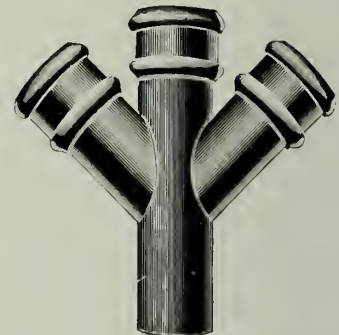
HEAD, ANGLE BACK.



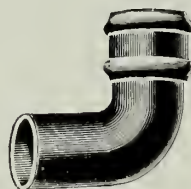
OFFSET.



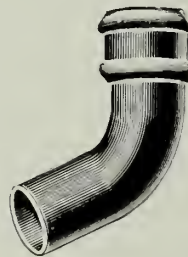
SINGLE BRANCH.



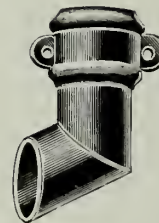
DOUBLE BRANCH.



SQUARE BEND.



OBTUSE BEND.



SHOE.



LOOSE  
SOCKET.

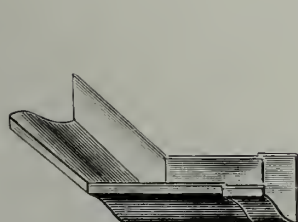
## PLAIN CAST-IRON.

Sizes, inches ... ..				2	2½	3	3½	4	4½	5	6
Pipes, 6 ft. Lengths, with or without Ears, yard				1/5	1/7	1/9½	2/3	2/5	3/1½	3/7	4/4½
Do., 4, 3 or 2 ft. Short Lengths, extra per "				3d.	3d.	3d.	3d.	3d.	4d.	4d.	4d.
Do. Double Socket ... ..				3d.	3d.	3d.	3d.	3d.	4d.	4d.	4d.
Heads, Flat or Angle ... .. each				1/3	1/5	1/8	2/-	2/3	3/2	4/-	5/-
Branch, Single ... ..				1/3	1/6	2/-	2/4	2/10	4/-	4/6	7/-
Do. Double ... ..				2/-	2/6	3/-	3/6	4/3	6/-	6/9	10/6
Offsets, 1½, 2½ and 3 in. Projection ... ..				1/-	1/1	1/4	1/8	2/-	2/6	3/3	4/6
Do. 4½ and 6 in. ... ..				1/2	1/4	1/6	1/10	2/4	3/4	4/-	5/3
Do. 9 in. Projection ... ..				1/6	1/8	2/-	2/6	3/-	4/-	4/9	6/-
Do. 12 in. ... ..				1/10	2/1	2/5	3/-	3/6	4/6	5/6	7/3
Do. 15 in. ... ..				2/3	2/6	2/10	3/6	4/3	5/3	6/6	8/6
Do. 18 in. ... ..				2/6	2/10	3/4	4/-	4/9	6/-	7/6	9/6
Do. 21 in. ... ..				3/-	3/3	3/9	4/6	5/6	8/-	9/6	11/6
Do. 24 in. ... ..				3/6	4/-	4/4	5/3	6/6	9/-	10/6	12/9
Bends, Square or Obtuse ... ..				11d.	1/1	1/4	1/7	1/11	2/8	3/6	4/6
Shoes ... ..				9d.	10d.	1/-	1/4	1/6	2/2	2/8	3/9
Loose Sockets ... ..				6d.	7d.	9d.	11d.	1/1	1/4	1/8	2/-

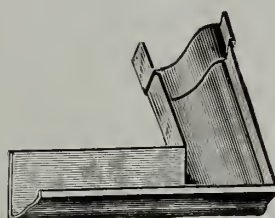
Extra for above Pipes and Fittings, Painted, 5<sup>0</sup>o.

GALVANIZED PIPES AND CONNECTIONS ALSO STOCKED.

# O.G. GUTTERS AND CONNECTIONS.



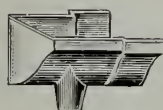
OBTUSE EXTERNAL ANGLE.



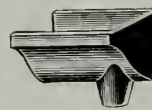
EXTERNAL ANGLE.



NOZZLE PIECE.



FAUCET DROP END.



SPIGOT DROP END.



No. 1 O.G.



No. 3 O.G.

## PLAIN CAST-IRON.

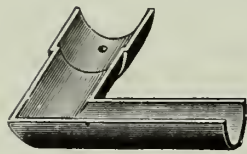
Sizes, inches ... ..				3	3½	4	4½	5	6
No. 1. O.G. Gutter, 6 ft. lengths	...	...	per yard	1/1	1/1½	1/3	1/4½	1/7	2/-
Do. 4 ft., 3 ft. and 2 ft. Short Lengths	...	...	extra	1½d.	1½d.	1½d.	1½d.	3d.	3d.
Angles (Square), External or Internal	...	...	each	1/-	1/-	1/1	1/3	1/5	1/9
Do. (Obtuse) do. do.	...	...	...	1/-	1/-	1/1	1/3	1/5	1/9
Nozzle Piece	...	...	...	1/-	1/-	1/1	1/3	1/5	1/9
Drop Ends	...	...	...	9d.	9d.	10d.	11d.	1/-	1/4
Union Clips	...	...	...	6d.	6d.	6d.	8d.	8d.	10d.
Stop Ends and Drops, Loose or Cast on	...	...	...	2½d.	2½d.	2½d.	3d.	4d.	5d.
Facia Brackets, Cast	...	...	...	3d.	3d.	3d.	4d.	5½d.	7½d.
Return Stop Ends	...	...	...	6d.	6d.	7d.	8d.	9d.	11d.
Lion Heads, Loose or Cast on	...	...	...	4d.	4d.	4d.	4d.	4d.	4d.
Hooks, Hanging, Malleable	...	...	...	5d.	5d.	5½d.	5½d.	6½d.	7½d.
„ Driving	...	...	...	7d.	7d.	7d.	8d.	8½d.	10d.
No. 3. O.G. Gutter, Straight Back	...	...	extra per yard	1½d.	1½d.	1½d.	1½d.	1½d.	1½d.

Bolts and Nuts, ¾ in., 4/3 ; 1 in., 4/6 per gross.

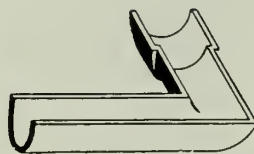
Extra for above Gutters and Connections, Painted, 5%.



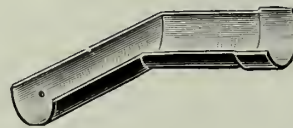
# HALF-ROUND GUTTERS AND CONNECTIONS.



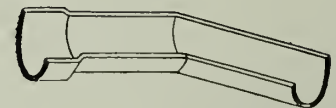
SQUARE ANGLE.  
LEFT HAND.



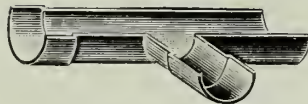
SQUARE ANGLE.  
RIGHT HAND.



OBTUSE ANGLE.  
LEFT HAND.



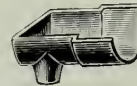
OBTUSE ANGLE.  
RIGHT HAND.



T PIECE.



NOZZLE PIECE.



FAUCET DROP  
END.



SPIGOT DROP.  
END.



NO. 5  
BRACKET.

## PLAIN CAST-IRON.

Sizes, inches ... ..		3	3½	4	4½	5	6
Half-round Gutters, 6 ft. lengths ... ..	per yard	11d.	11½d.	1/0½	1/2	1/3½	1/9
Do. do. 4, 3 and 2 ft. Short Lengths, extra ..		1½d.	1½d.	1½d.	1½d.	3d.	3d.
No. 2. Beaded, 6 ft. Lengths over Ordinary H.R. Gutters ... ..		1½d.	1½d.	1½d.	1½d.	3d.	3d.
Angles, Square and Obtuse (135°) ... ..	each	9d.	10d.	11d.	1/1	1/2	1/8
T Pieces ... ..		9d.	10d.	11d.	1/1	1/2	1/8
Nozzle Piece ... ..		9d.	10d.	11d.	1/1	1/2	1/8
Drop Ends ... ..		6d.	7d.	8d.	9d.	10d.	1/2
Union Clips ... ..		4d.	4d.	4d.	4½d.	6d.	8d.
Stop Ends, Loose or Cast on ... ..		2½d.	2½d.	2½d.	3d.	4d.	5d.
Drops, Loose or Cast on ... ..		2d.	2d.	2d.	2½d.	3½d.	4d.
Facia Brackets, Cast, No. 5 ... ..		2½d.	2½d.	2½d.	3d.	4½d.	6d.
Beaded Angles over Ordinary H.R. Angles ... extra ..		1½d.	1½d.	1½d.	1½d.	2½d.	2½d.
Beaded Nozzles over Ordinary H.R. Nozzles ... ..		1½d.	1½d.	1½d.	1½d.	2½d.	2½d.

Bolts and Nuts, ¾ in., 4/3 ; 1 in., 4/6 per gross.

## WROUGHT GUTTER BRACKETS.



No. 1.



No. 2.



No. 3.

## PLAIN IRON.

No.	Sizes of Gutters, inches ... ..	3	3½	4	4½	5	6
1	Driving Bracket ... ..	7d.	7d.	7d.	8d.	9d.	10d.
1A	Do. with under support ... ..	10d.	10d.	10d.	11d.	1/-	1/1
2	Hanging Bracket for Facia Board ... ..	4d.	4d.	4½d.	4½d.	5d.	6d.
3	Rafter Bracket, 9 in. Strap ... ..	9d.	9d.	9d.	10d.	11d.	1/-

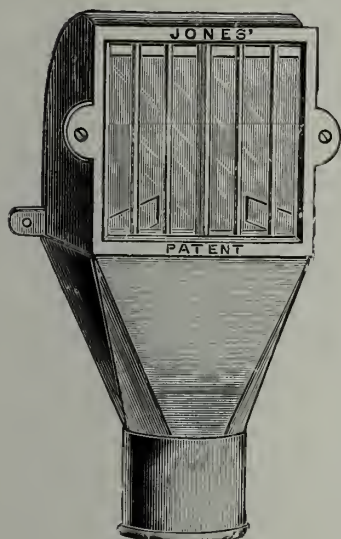
Extra for above Gutters and Connections, Painted, 5%.

# PATENT AIR INLET VENTILATOR.

No. 580.

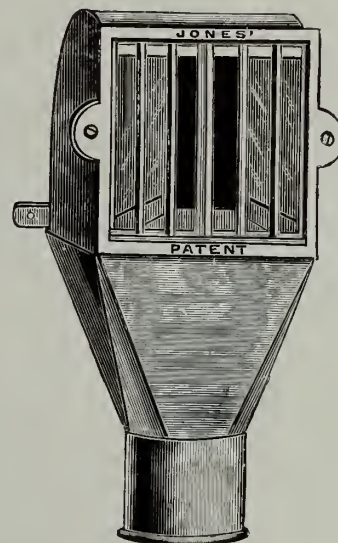
FOR HOUSE DRAINS, &c.

THIS VENTILATOR HAS BEEN PRACTICALLY TESTED, AND IS ADOPTED BY HIS MAJESTY'S  
GOVERNMENT IN THE WAR DEPARTMENT AT HOME AND ABROAD.



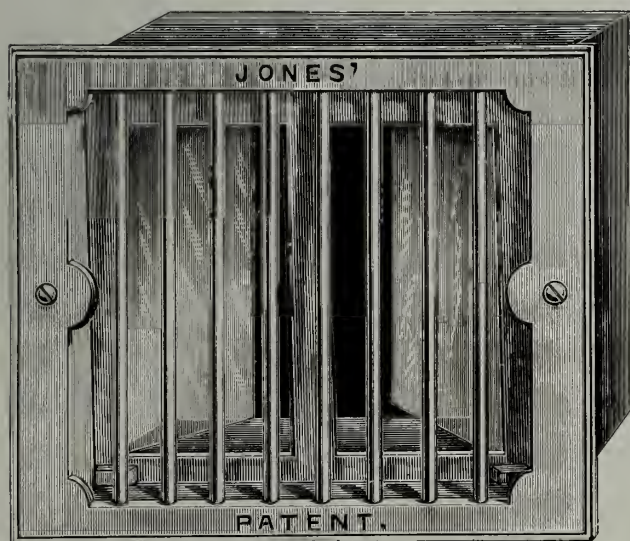
AWARDED TWO GOLD MEDALS.

This Ventilator is undoubtedly the best and most sensitive in the market. The Mica Valves are each pivoted on an axis which is vertical in one plane, but diverges from the vertical line at its upper end. By this means the direct weight of the Valves is not overcome when it opens, as each part of the Valve has merely to turn on its hinge or pivot like a door, while the inclination of the axis is sufficient to ensure the prompt closing of the Valves immediately on the slightest manifestation of a return current of the foul air. It also has this advantage, that it gives a full way of air.



4 in. Galvanized Cast-iron	...	...	...	...	...	...	Ordinary Size	...	8/6
4 in. Do. do.	...	...	...	...	...	...	Extra Large Size	...	17/-
6 in. Do. do.	...	...	...	...	...	...	Large Size	...	21/-
9 in. Do. do.	...	...	...	...	...	...	Large Size	...	35/-

Galvanized Wire Cages to protect fronts, 4 in. and 6 in., 6/6 each ; 9 in., 9/- each.



## PATENT MICA FLAP OUTLET VENTILATOR.

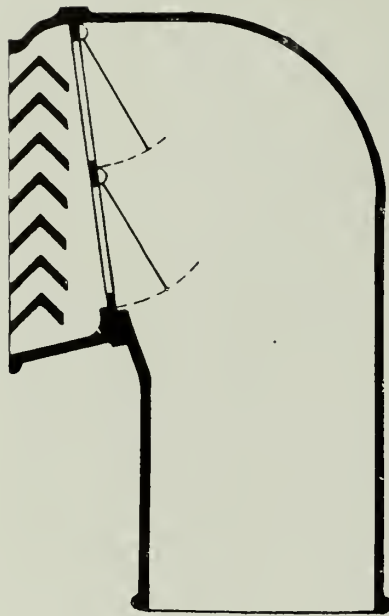
No. 581.

This Outlet Box has the Mica Flaps or doors pivoted on same principle as that of the Inlet Ventilator, shewn above.

Front Size.	Box Size.	Galvanized
10½ in. × 8½ in.	8½ in. × 7½ in.	16/-

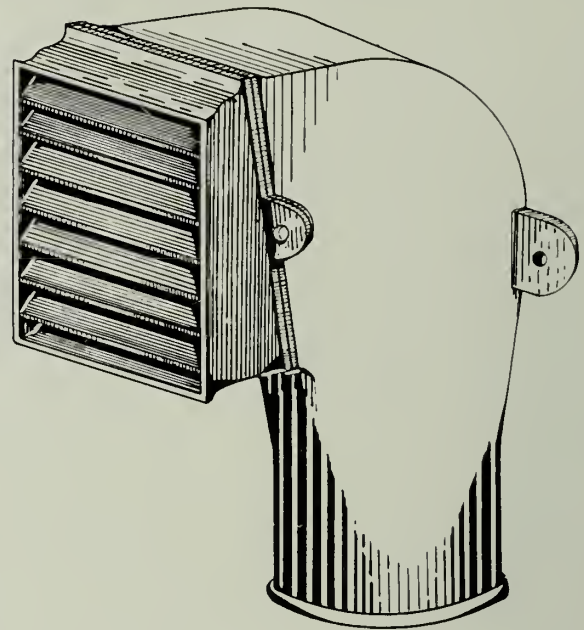


# “EUREKA” AIR INLET VENTILATOR.



Section.

No. 582.



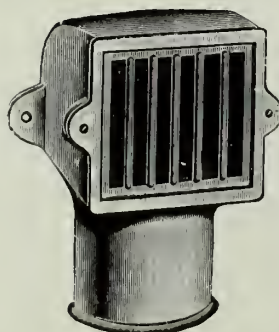
View.

This **Air Inlet Ventilator** has been designed to overcome any interference with the Mica Flaps, and at same time allowing free access of air currents.

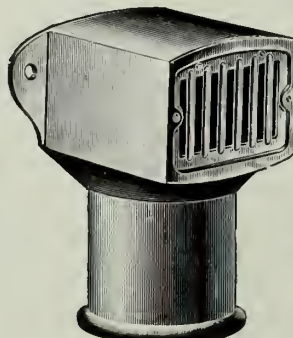
The Louvre Blades overlap and induce air currents to readily operate Mica Flaps. Body and Louvre front is of galvanized iron, and Mica Flaps are well fitted and hung as illustrated.

No.	Sizes, inches ... ..	4	6
582	“Eureka” Air Inlet Ventilator, of Galvanized Cast-iron, with Mica Flaps complete ... .. each	7/6	13/-

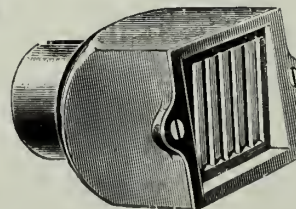
## AIR INLET VENTILATORS. WITH CAST-IRON FRONTS.



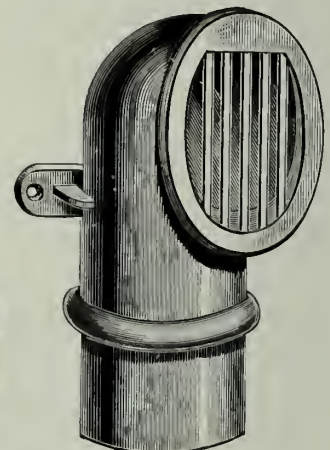
No. 583.



No. 584.



No. 585.



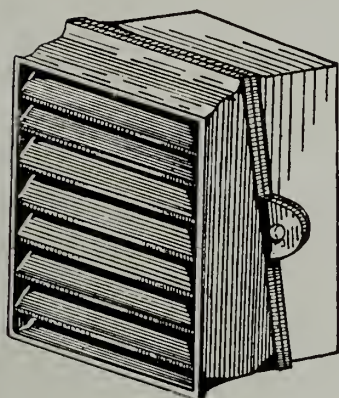
No. 586.

No.	Sizes, inches ... ..	3	3½	4	6	9
583	L.C.C. Pattern, large body, with Spigot for Caulking, each	—	—	4/6	—	—
584	Do. with Spigot for Caulking ... ..	—	—	4/-	10/-	—
584A	Ordinary Pattern ... ..	3/6	3/6	3/9	10/-	36/-
585	Horizontal Pattern ... ..	3/6	3/9	4/-	10/6	34/-
586	Round Head Pattern ... ..	5/-	5/3	5/6	12/6	—

# CAST-IRON VENTILATORS.



Section.

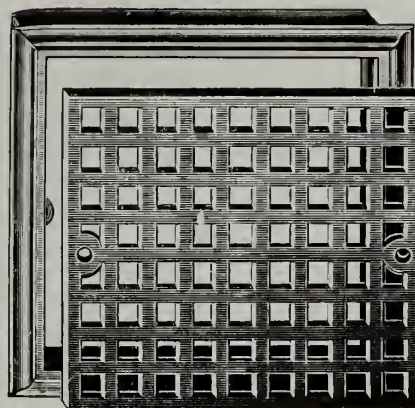


No. 587.

View.

Double Louvre Front, with Mica Flaps, Frame to build into wall.

	Galvanized.
Size, $6\frac{1}{2} \times 6\frac{1}{2}$ in. over Frame, each	5/-



No. 588.

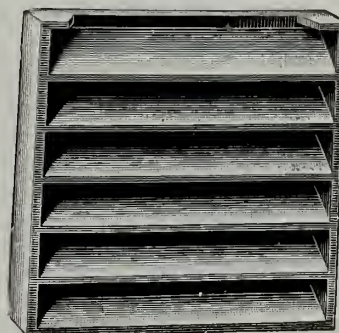
Grating and Frame, Grating fixed to Frame with two Gun-metal Screws.

	Painted.	Galvanized.
Size overall, $11 \times 10$ in. ...	3/9	4/9
Size of Box inside, $10 \times 9$ in. ...		



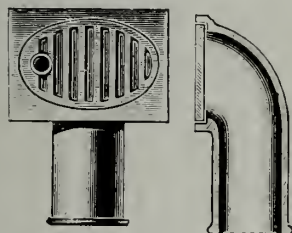
No. 589.

	Painted.	Galvanized.
$9 \times 3$ in. ...	9d.	1/3
$9 \times 6$ in. ...	1/4	2/-
$9 \times 9$ in. ...	2/-	2/6
$12 \times 6$ in. ...	1/9	2/3
$12 \times 9$ in. ...	2/6	3/6

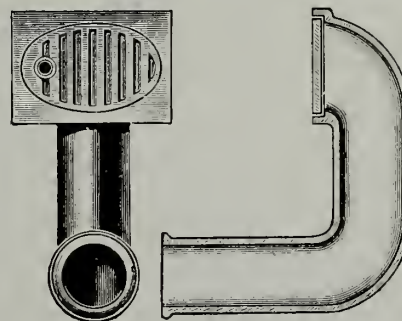


No. 590.

	Painted.	Galvanized.
$6 \times 6$ in. ...	1/9	2/6
$9 \times 9$ in. ...	3/-	4/-
$15 \times 9$ in. ...	6/-	8/-



No. 592.

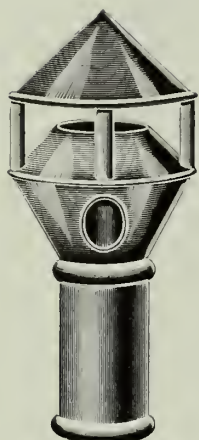


No. 593.

Cast-iron Fresh Air Inlets, with Gun-metal Lock on front, Loose Key and without Mica Flaps.

No.	Sizes, Internal Diameter, inches					4	5	6
592	Vertical Pattern ...	...	Coated ...	...	each	6/4	9/3	11/3
	Do. ...	...	Galvanized ...	...	„	12/-	16/-	19/-
593	Horizontal Pattern ...	...	Coated ...	...	„	9/3	12/9	17/-
	Do. ...	...	Galvanized ...	...	„	16/-	21/9	29/9





No. 595.

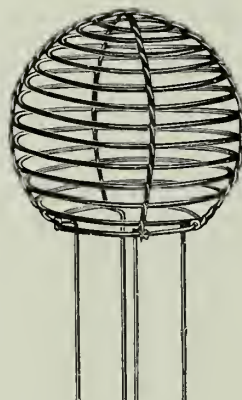
## EXHAUST SOIL PIPE VENTILATORS.

Made in Stout Zinc or Galvanized Iron.

No.	Size of Shaft.	Size of Cone.	Each.
595	2 in. dia.	6 in. dia.	5/-
	3 in. „	8 in. „	7/6
	3½ in. „	9 in. „	10/-
	4 in. „	10 in. „	11/9
	5 in. „	12 in. „	17/9
	6 in. „	14 in. „	20/-

## SOIL PIPE GUARDS.

Copper Wire.



No. 596.

No.	Sizes, inches	...	2	2½	3	3½	4	5	6
596	Medium	... each	9d.	10d.	11d.	1/-	1/2	1/8	2/3
596A	Strong	... „	1/-	1/2	1/4	1/9	2/-	2/3	3/-

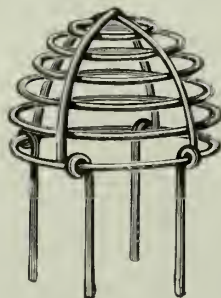
Galvanized Wire.

No.	Sizes, inches	...	2	2½	3	3½	4	5	6
596B	Medium	... each	4d.	4½d.	5d.	6d.	7d.	8d.	9d.
596C	Strong	... „	6d.	7d.	8d.	9d.	11d.	1/1	1/3

Also made in Heavy Tinned Copper Wire to order.

## DOMICAL GRATINGS.

Copper Wire.



No. 597.

No.	Sizes, inches	...	2	2½	3	3½	4
597	Each	... ..	6d.	7d.	8d.	9d.	10d.

Galvanized Wire.

No.	Sizes, inches	...	2	2½	3	3½	4
597B	Each	... ..	2d.	2½d.	3d.	3½d.	4d.

# SEWER VENTILATING SHAFTS.

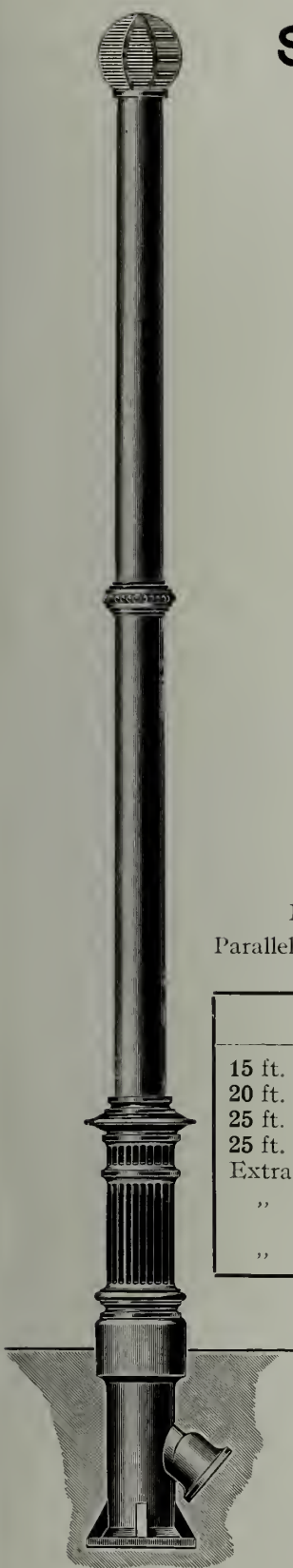


Alternate Design, with  
Ornamental Top and Copper Wire Finial.

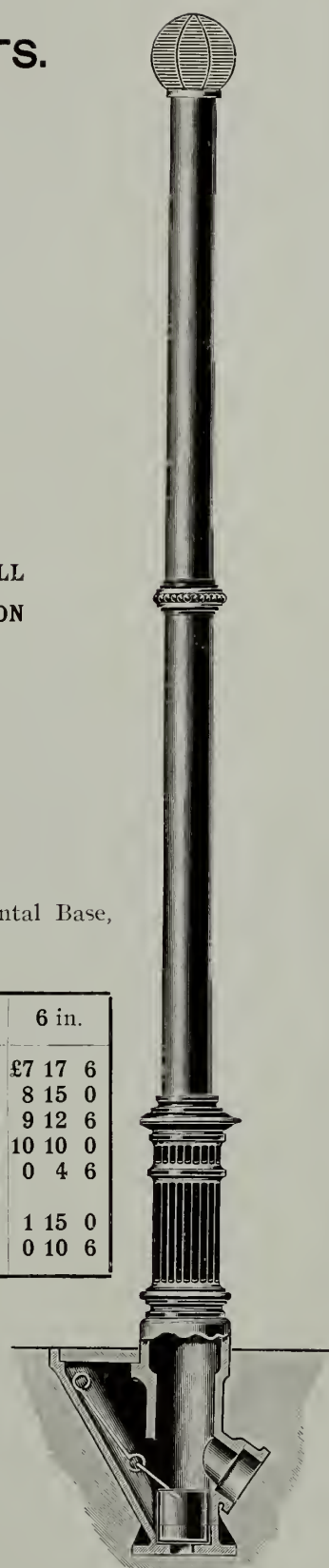
SPECIAL QUOTATIONS GIVEN FOR QUANTITIES OF ALL  
KINDS OF SEWER VENTILATING SHAFTS, DIRECTION  
POSTS, MOTOR SIGNS, &c.

No. 598. Sewer Ventilating Shafts, with Cast-iron Ornamental Base,  
Parallel Welded Tubes, and Galvanized Wire Finial at Top.

	Diameter of Tube ...	4 in.	6 in.
15 ft. above ground, in one length	...	£5 13 9	£7 17 6
20 ft. do. do.	...	6 6 6	8 15 0
25 ft. do. in two lengths, with Socket Joint	...	7 0 0	9 12 6
25 ft. do. do. with Screwed Joint	...	7 13 0	10 10 0
Extra for alternate design, top with Copper Wire Finial	...	0 3 6	0 4 6
„ as No. 598A, with Rust Pocket, Galvanized Bucket and Rod Handle	...	1 6 3	1 15 0
„ for Access Door in Base for testing purposes	...	0 7 6	0 10 6



No. 598.



No. 598A.



# **“Vitrison”**

(REGISTERED)

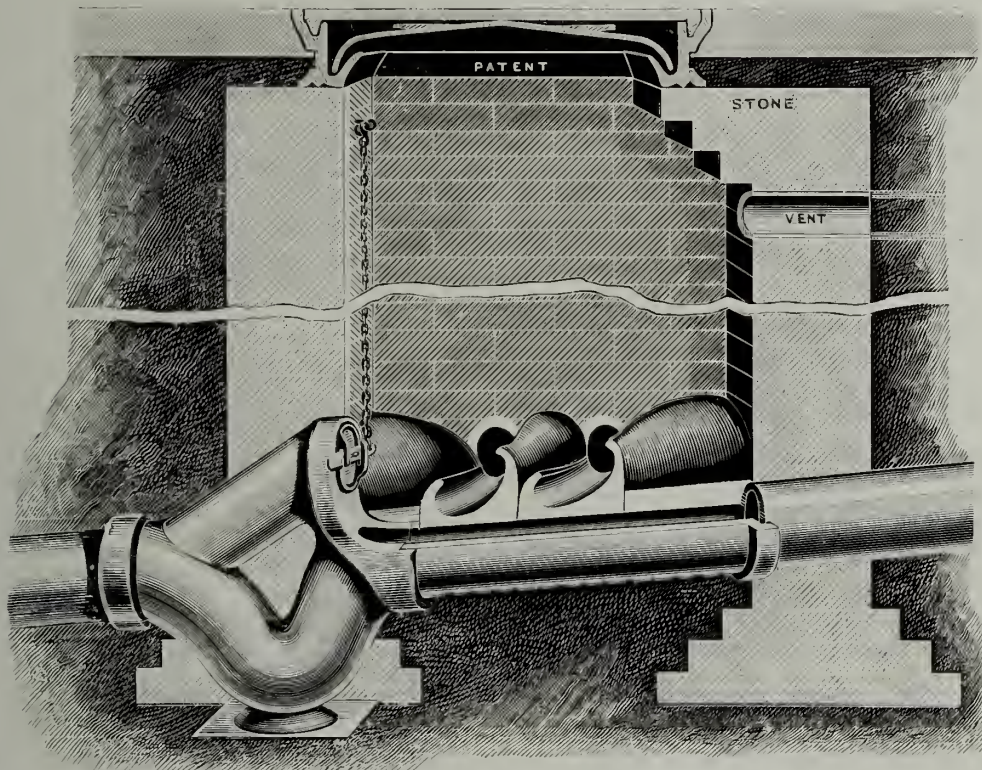
IS A HIGHLY GLAZED NON-ABSORBENT  
VITRIFIED STONEWARE  
OF GREAT STRENGTH.

QUOTATIONS GIVEN FOR ANY DESCRIPTION  
OF DRAINAGE FITTINGS  
IN “VITRISON” STONEWARE.

The transit of Stoneware Goods by Carrier or Rail is  
at Purchaser's risk, and all Goods are forwarded  
“CARRIAGE FORWARD” unless otherwise quoted.

# IMPROVED INTERCEPTING CHAMBER,

WITH PATENT CHANNEL BENDS, IMPROVED INTERCEPTING TRAP WITH PATENT LEVER STOPPER  
AND CHAIN TO CLEARING ARM, AND PATENT AUTOMATIC DOUBLE-SEAL AIRTIGHT  
MANHOLE COVER AND FRAME.



The above view illustrates the application of Patent and Improved Stoneware Sanitary Fittings applied to house drainage.

The **Automatic Condensing Double-Seal Airtight Manhole Cover and Frame** is fixed over Chamber at ground level, completely sealing down drainage system.

**Patent Channel Bends** are constructed so that all matter discharges direct into main channel without splashing, and **Improved Interceptor** has Patent Clearing Arm Lever Stopper and Chain, Chain being hooked underneath Cover ready at hand in case of stoppage in Interceptor.

Fresh air is admitted to Chamber through Ventilating Pipe from Air Inlet Ventilator.

The whole construction of the Chamber is most hygienic and effective.

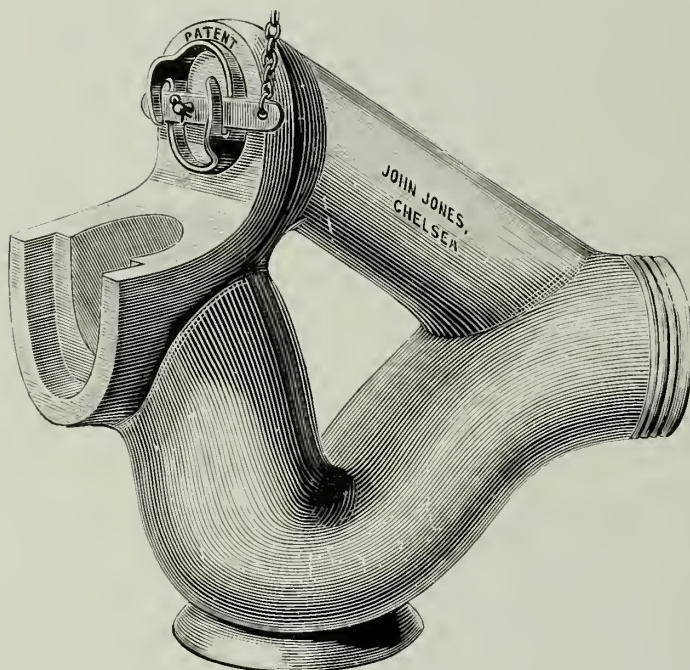


# GLAZED STONEWARE INTERCEPTING TRAPS.

No. 600.

## THE "CHELSEA."

PRICES (INTERCEPTOR ONLY).



No. 600.

Stock Sizes.	Brown Glazed Stoneware	Buff and White Stoneware
4 × 4 in. with Cascade and 4 in. Arm ...	11/8	14/-
4 × 6 in. Do.	15/-	18/-
6 × 6 in. Do.	15/-	18/-
9 × 9 in. Do.	25/-	30/-
12 × 12 in. with Cascade and 6 in. Arm ...	50/-	60/-
6 × 6 in. without Cascade and 4 in. Arm	15/-	18/-

Extra for Patent "Lever" Locking Stopper (Brass).

Fitted to 4 in. Clearing Arm, 11/6 each.

Do. 6 in. do. 20/9 ..

Heavy Galvanized Chain, with Ring Handle, 4d. per foot.

Galvanized Staple, to build in wall, 1/- each.

No. 601.

## THE "CARLYLE."

Easy Flow.

PRICES (INTERCEPTOR ONLY).

Stock Sizes.	Brown Glazed Stoneware.	Buff and White Stoneware.
4 × 4 in. with Cascade and 4 in. Arm ...	11/8	14/-
6 × 6 in. Do.	15/-	18/-
9 × 9 in. Do. and 6 in. Arm ...	25/-	30/-
12 × 12 in. Do.	50/-	60/-

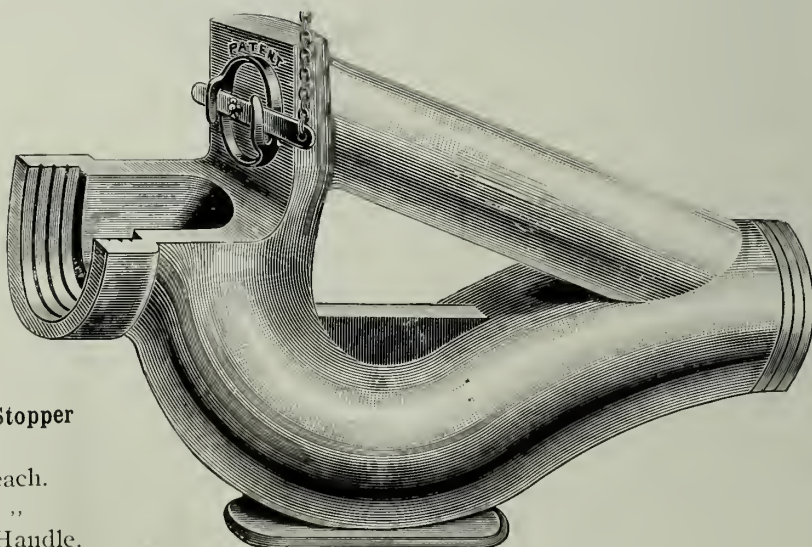
Extra for Patent "Lever" Locking Stopper (Brass).

Fitted to 4 in. Clearing Arm, 11/6 each.

Do. 6 in. Do. 20/9 ..

Heavy Galvanized Chain, with Ring Handle, 4d. per foot.

Galvanized Staple, to build in wall, 1/- each.



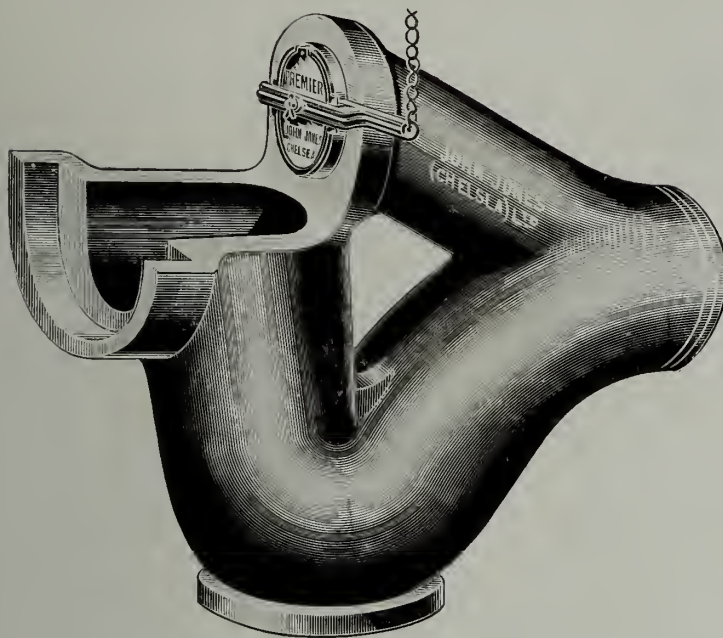
No. 601.

# GLAZED STONEWARE INTERCEPTING TRAPS.

No. 602.

## THE "PREMIER."

PRICES (INTERCEPTOR ONLY).



No. 602.

Stock Sizes.	Brown Glazed Stoneware.
4 × 4 in., with Cascade and 4 in. Arm ... ..	11/8
4 × 6 in. Do. ... ..	15/-
6 × 6 in. Do. ... ..	15/-
9 × 9 in. Do. ... ..	25/-
12 × 12 in., with Cascade and 6 in. Arm ... ..	50/-

Extra for "Premier" Locking Stopper (Galvanized Iron).

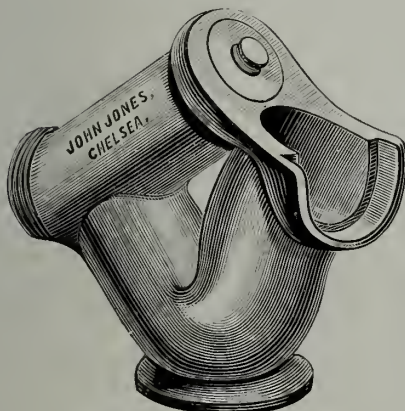
Fitted to 4 in. Clearing Arm, 4/9 each.  
Do. 6 in. do. 7/6 ..

Heavy Galvanized Chain, with Ring Handle, 4d. per foot.

Galvanized Staple, to build in wall, 1/- each.

## INTERCEPTING TRAP.

FITTED WITH STANFORD JOINT STOPPER TO CLEARING ARM.



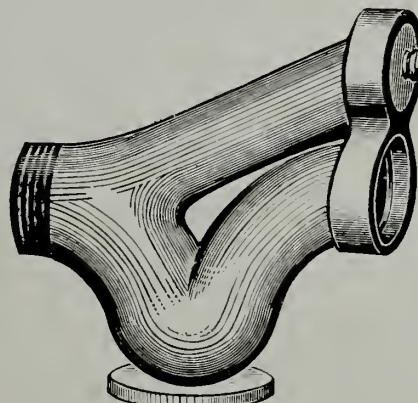
No. 603.

PRICES.

Stock Sizes.	Brown Glazed Stoneware.	Buff and White Stoneware.
4 × 4 in. ... ..	11/8	14/-
4 × 6 in. ... ..	15/-	18/-
6 × 6 in. ... ..	15/-	18/-
9 × 9 in. ... ..	25/-	30/-

## INTERCEPTING TRAP.

FULL SOCKET INLET, FITTED WITH STANFORD JOINT STOPPER TO CLEARING ARM.



No. 604.

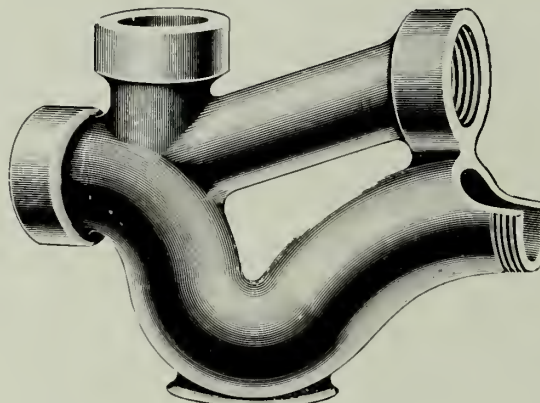
PRICES.

Stock Sizes.	Brown Glazed Stoneware.	Buff and White Stoneware.
4 × 4 in. ... ..	11/8	14/-
4 × 6 in. ... ..	15/-	18/-
6 × 6 in. ... ..	15/-	18/-
9 × 9 in. ... ..	25/-	30/-

"LEVER" and "PREMIER" LOCKING STOPPERS fit Nos. 603 and 604 Traps.



## REVERSE-ACTION INTERCEPTING TRAP.

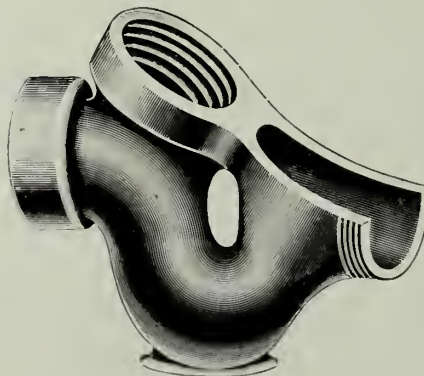


No. 605.

Stock Sizes.											Brown Glazed Stoneware.	
4 × 4 in.	...	...	...	...	...	...	...	...	...	...	each	11/8
6 × 6 in.	...	...	...	...	...	...	...	...	...	...	,,	15/-
9 × 9 in.	...	...	...	...	...	...	...	...	...	...	,,	25/-

## IMPROVED REVERSE-ACTION INTERCEPTING TRAP.

(Regd. Design No. 581,238).



No. 606.

Stock Sizes.											Brown Glazed Stoneware.	
4 × 4 in.	...	...	...	...	...	...	...	...	...	...	each	11/8
6 × 6 in.	...	...	...	...	...	...	...	...	...	...	,,	15/-

Prices of Nos. 605 and 606 Traps include Stanford Joint Stopper fitted to Clearing Arm.

Both "LEVER" and "PREMIER" Locking Stoppers fit above Traps.

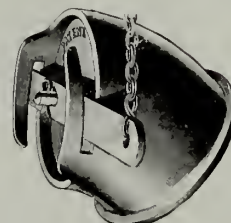
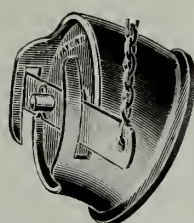


## LEVER LOCKING STOPPERS.

FOR CLEARING ARMS OF INTERCEPTORS AND CLEARING EYES OF HOUSE DRAINS, SEWERS, &c.

### PATENT "LEVER" STOPPER.

Made only in **Brass**, with Galvanized Wrought-iron Lever Handle and Oil-dressed Leather Seating, providing **absolute security**.

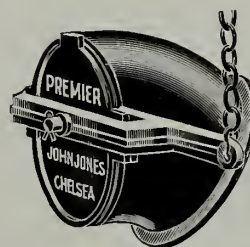
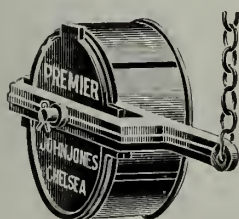


**A** Pattern, for Vertical Sockets. **B** Pattern, for Partly-splayed Sockets. **C** Pattern, for Full-splayed Sockets.

To fit Sockets									3 in.	4 in.	6 in.
<b>A</b>	Pattern	...	...	...	...	...	...	each	—	10/6	19/9
<b>B</b>	„	...	...	...	...	...	...	„	8/6	10/9	—
<b>C</b>	„	...	...	...	...	...	...	„	—	11/9	22/9

### "PREMIER" LEVER STOPPER.

Made only in **Galvanized Cast-iron**, with Malleable Lever Handle and Oil-dressed Leather Seating, providing **absolute security**.



**D** Pattern, for Vertical Sockets.

**E** Pattern, for Full-splayed Sockets.

To fit Sockets									4 in.	6 in.
<b>D</b>	Pattern	...	...	...	...	...	...	each	3/9	6/6
<b>E</b>	„	...	...	...	...	...	...	„	7/-	—

**Heavy Galvanized Chain**, with Ring Handle, 4d. per foot run.

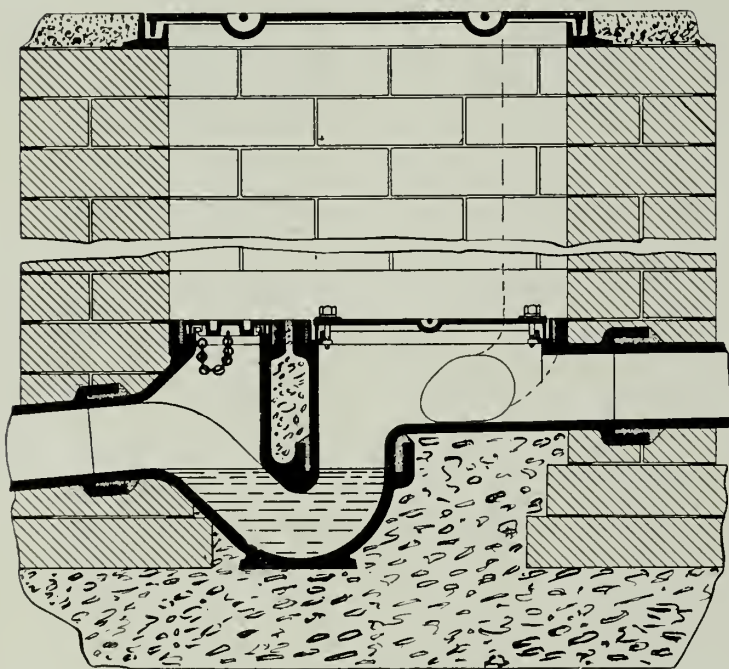
**Galvanized Staple** to build in Wall, for carrying Chain, 1/- each.

# THE "LIXALL" GLAZED STONEWARE DRAINAGE FITTINGS.

NO LEAKY MANHOLES. NO EXPENSIVE CEMENT BENCHINGS.  
NO RENDERING OF MANHOLE. INNUMERABLE JOINTS WITH CHANNELS AVOIDED.  
EASY ACCESS TO MAIN DRAIN, BRANCH DRAINS AND SEWER FOR RODDING PURPOSES.

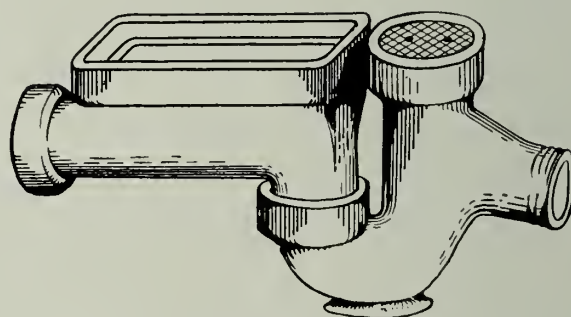
**SIMPLE AND EFFECTIVE.**

Approved by Sanitary Authorities and adopted by numerous Estate Companies and Private Property Owners.

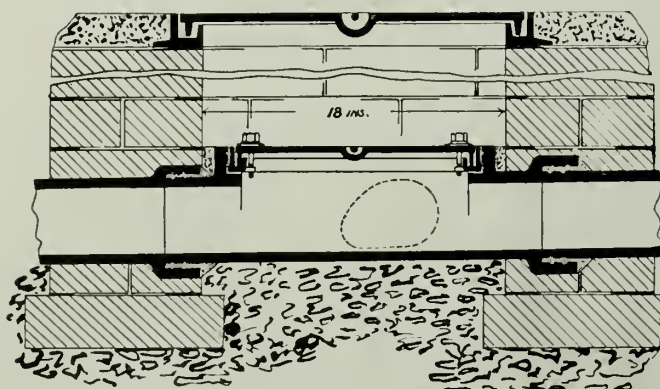


SECTION OF INTERCEPTING CHAMBER. SCALE 1 INCH = 1 FOOT.

For Prices, see page 108.

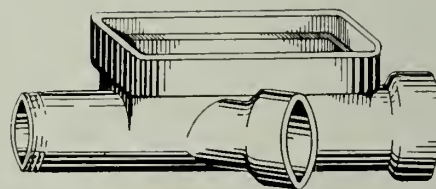


VIEW.



SECTION OF INSPECTION CHAMBER. SCALE 1 INCH = 1 FOOT.

For Prices, see page 109.



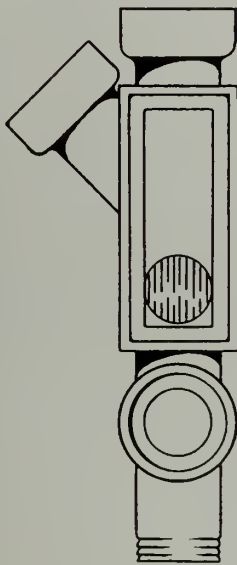
VIEW.



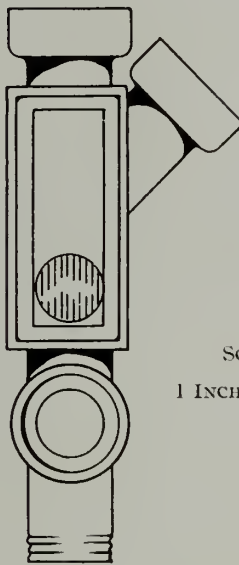
**THE "LIXALL" GLAZED STONEWARE INTERCEPTING TRAP,**  
**WITH ACCESS EYE AND CHAMBER COMBINED.**



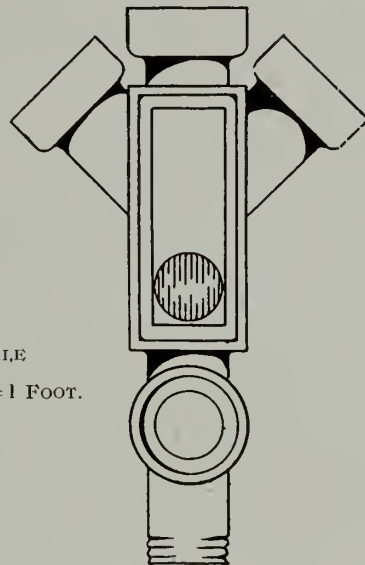
No. 1.



No. 2.



No. 3.

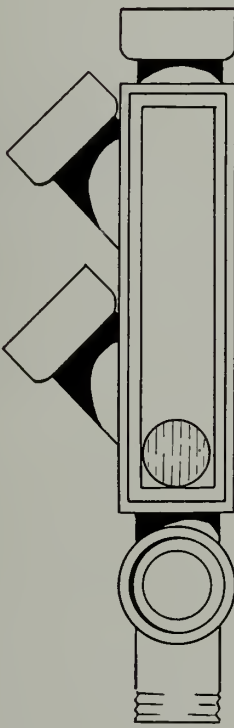


No. 4.

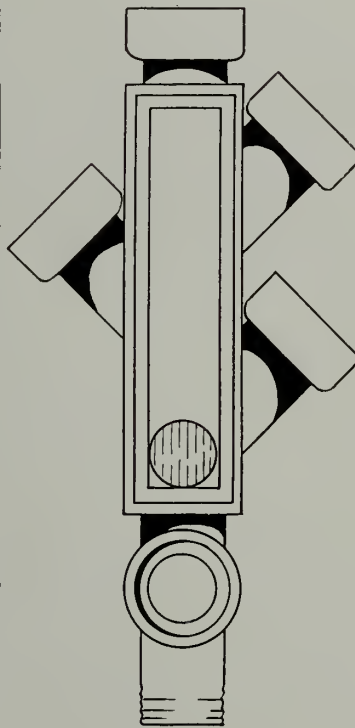
SCALE  
 1 INCH = 1 FOOT.



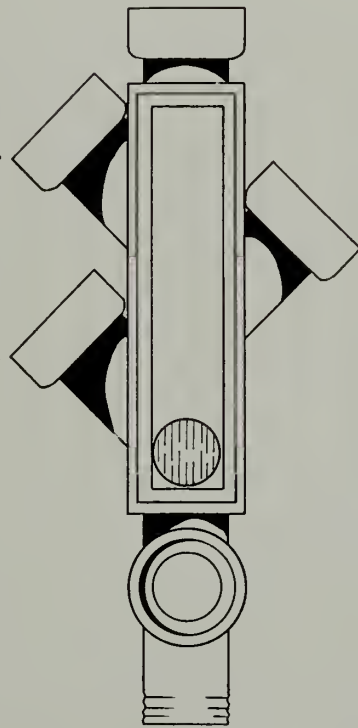
No. 5.



No. 6.



No. 7.



No. 8.

No.	Stock Sizes				4 in. Inlet and 4 in. Outlet.	4 in. Inlet and 6 in. Outlet.	6 in. Inlet and 6 in. Outlet.
1	"Lixall" Disconnecting Trap, with Access Eye and Chamber, Plain				9/9	10/9	13/3
2 & 3	Do.	do.	do.	do. ONE Branch	10/9	11/9	14/3
4	Do.	do.	do.	do. TWO Branches opposite	11/9	12/9	15/6
5 & 6	Do.	do.	do.	do. TWO Branches one side	13/9	14/9	—
7 & 8	Do.	do.	do.	do. THREE Branches	14/6	15/6	—
	Coated Cast-iron Cover and Frame, with 2 Gun-metal Screws for Nos. 1 to 4				7/9	7/9	8/9
	Do.	do.	do.	do. Nos. 5 to 8	10/-	10/-	—

Extra for Access Cover, fitted with Bridle and Screw Fastening, 2/- each.  
 Extra for Key to Access Cover, 3d. each.                      Extra for Key to Cover 6d. each.

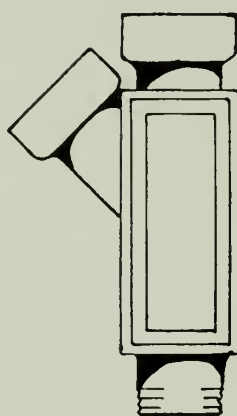
# THE "LIXALL"

## GLAZED STONEWARE INSPECTION CHAMBER.

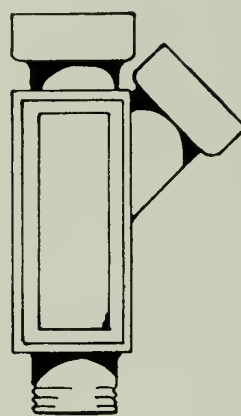
SCALE 1 INCH = 1 FOOT.



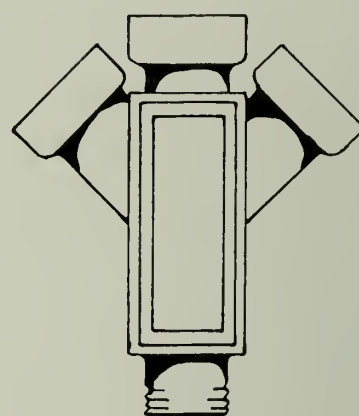
No. 10.



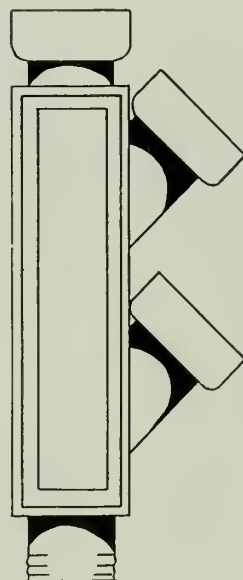
No. 11.



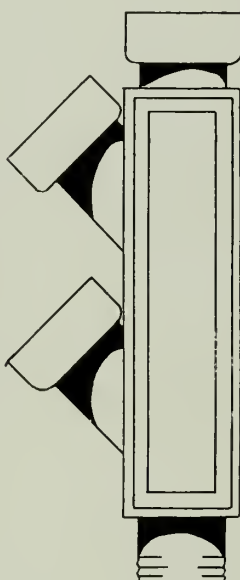
No. 12.



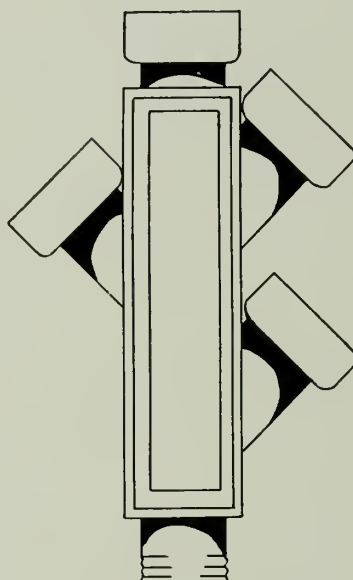
No. 13.



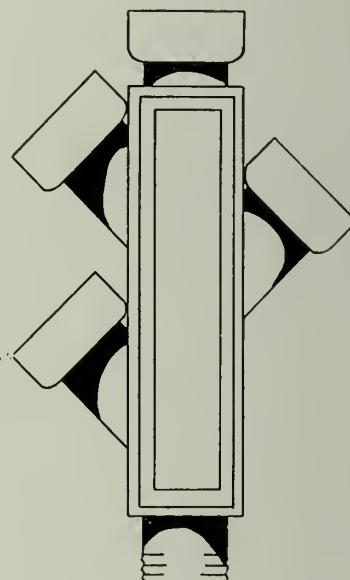
No. 14.



No. 15.



No. 16.



No. 17.

No.	Stock Sizes ...					4 in. Inlet and 4 in. Outlet.	6 in. Inlet and 6 in. Outlet with 4 in. Branches.
10	"Lixall" Inspection Chamber, Plain ...					3/6	6/-
11 & 12	Do.	do.	ONE	Branch ...	...	4/6	7/-
13	Do.	do.	TWO	Branches opposite ...	...	5/6	8/-
14 & 15	Do.	do.	TWO	Branches one side ...	...	7/6	...
16 & 17	Do.	do.	THREE	Branches ...	...	9/-	...



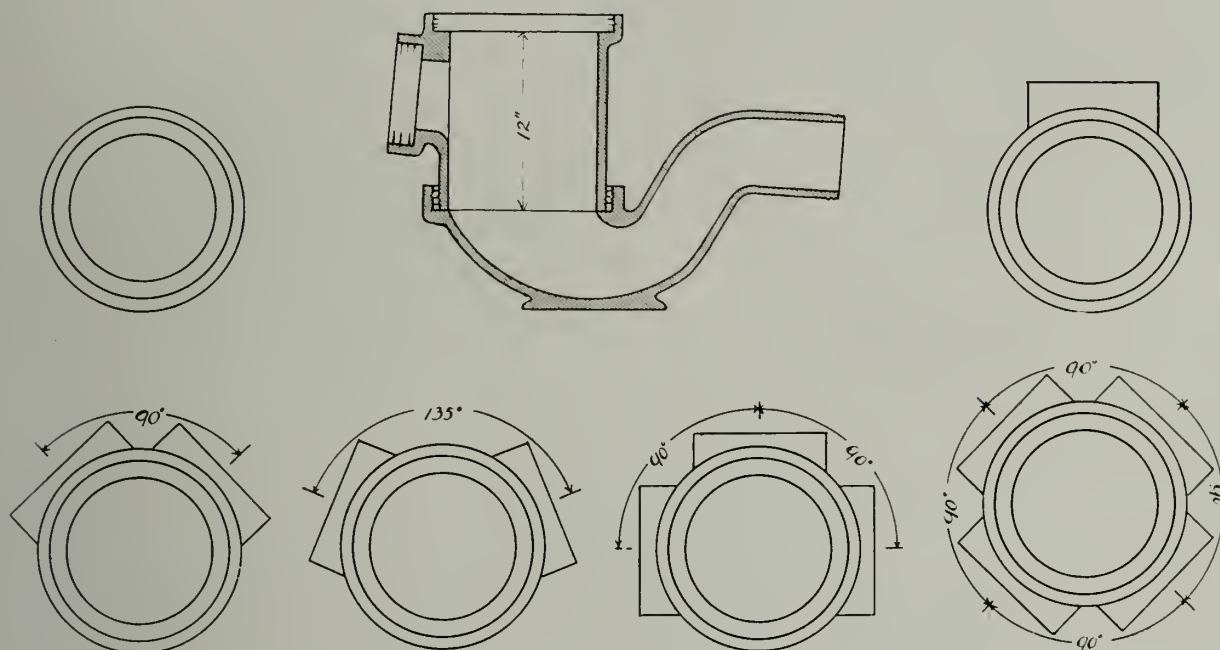
Coated Cast-iron Cover and Frame, with 2 Gun-metal Screws,  
for Nos. 10 to 13 ... .. each  
Do. do. do. for Nos. 14 to 17 ... .. 7/9  
10/-

Key for Cover, 6d. each.

# "ADAPTA" GLAZED STONEWARE GULLIES.

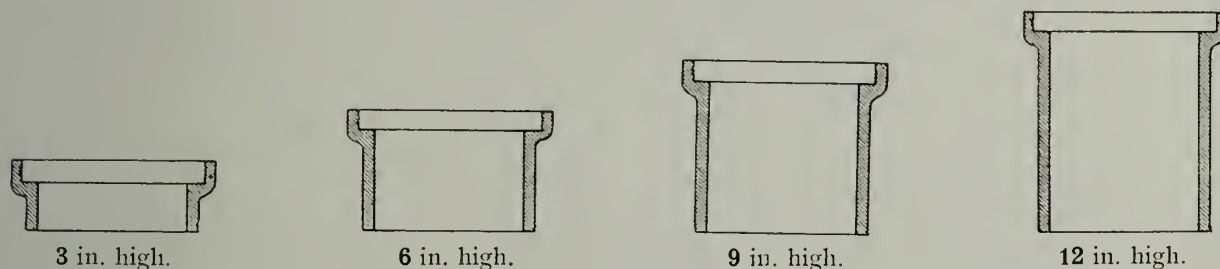
No. 610.

WITH 9 in. DIAMETER REVERSIBLE TOP PIECES AND 4 in. INLET.



## RAISING PIECES,

9 in. DIAMETER, TO FIT ABOVE.



No.		Brown Glazed Stoneware.										
610	<p>“Adapta ” Gully Top Piece, 9 in. diameter (without Trap), Plain, 12 in. high, each Extra for 4 in. Horizontal Inlets, 1/- each.</p> <p>Reducing Pieces for Inlets, 4 in. to 3 in., or 2 in. ... 1/- each.</p> <table><tr><td>Height</td><td>3 in.</td><td>6 in.</td><td>9 in.</td><td>12 in.</td></tr><tr><td>Raising Pieces, 9 in. diameter ...</td><td>2/6</td><td>2/6</td><td>2/9</td><td>3/-</td></tr></table>	Height	3 in.	6 in.	9 in.	12 in.	Raising Pieces, 9 in. diameter ...	2/6	2/6	2/9	3/-	3/-
Height	3 in.	6 in.	9 in.	12 in.								
Raising Pieces, 9 in. diameter ...	2/6	2/6	2/9	3/-								
620	Stoneware Gully Trap, 9 in. Inlet, 4 in. Outlet, 95°	6/6										
621	Do. 9 in. ,, 6 in. ,,	7/6										
77	Cast-iron Trap, 9 in. Inlet, 4 in. Outlet, 95°, 112°, or 135°	Coated. 13/3										
78	Do. 9 in. ,, 6 in. ,,	18/9										

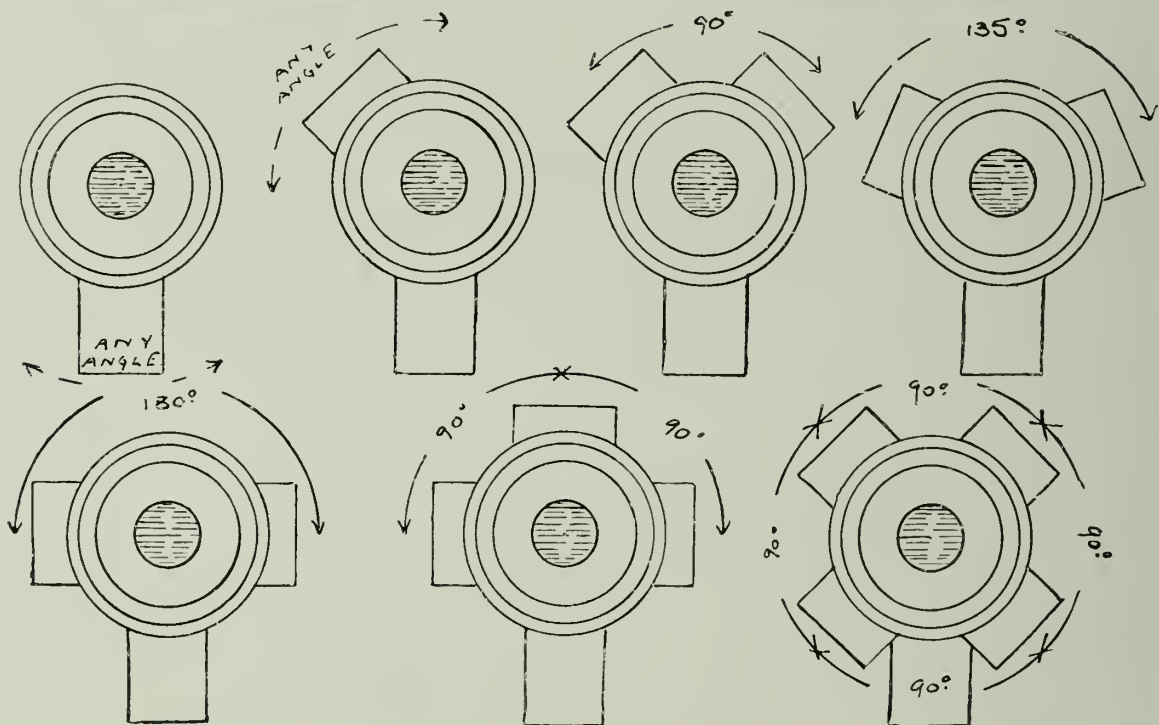
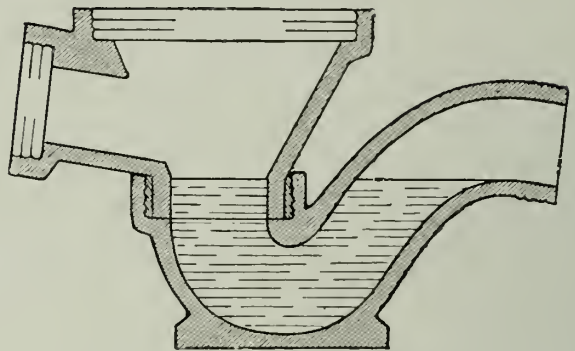
For CAST-IRON CIRCULAR GRATINGS AND COVERS AND FRAMES, see page 113.



# "ADAPTA" GLAZED STONEWARE GULLIES.

No. 611.

WITH 9 in. by 4 in. REVERSIBLE TOP PIECES AND 4 in. INLETS.

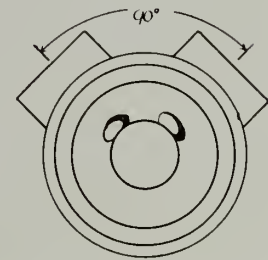
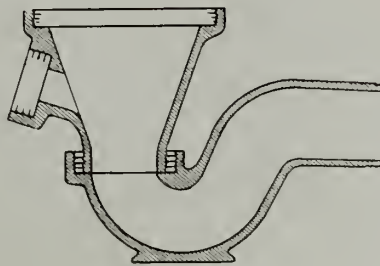
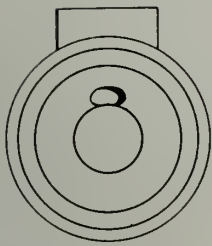


No.		Brown Glazed Stoneware.
611	"Adapta" Gully Top Piece, 9×4 in. diameter, (without Trap.) Plain ... each Extra for 4 in. Horizontal Inlets, 1/- each. For RAISING PIECES, 9 in. diameter, see page 110. Reducing Piece for Inlets, 4 in. to 3 in. or 2 in., 1/- each.	3/-
624	Glazed Stoneware Gully Trap, 4 in. P, Q or S Outlet ... .. each	5/-
625	Do. do. do. with Access Socket ,,	7/6
630 or 631	Cast-iron Traps (95° or 112° Outlet) ... .. ,,	Coated. 6/6
632 or 633	Do. (135° or 180° Outlet) ... .. ,,	7/3

For CAST-IRON CIRCULAR GRATINGS AND COVERS AND FRAMES, see page 113.

# "ADAPTA" GLAZED STONEWARE GULLIES.

WITH 9 in. by 4 in. REVERSIBLE TOP PIECES AND 2 in. INLETS.



No. 612.

No.		Brown Glazed Stoneware.
612	"Adapta" Gully Top Piece, 9×4 in. diameter, without Trap, Plain ... each	3/-

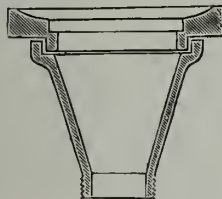
Extra for 2 in. Horizontal Inlets, 1/- each.

For Raising Pieces, 9 in. diameter, see page 110.

For Glazed Stoneware and Cast-iron Gully Traps, see page 113.

## GLAZED STONEWARE DISHED TOPS.

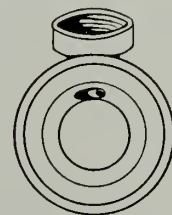
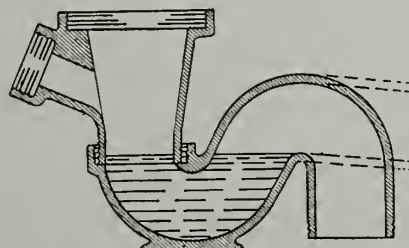
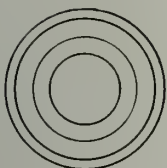
For Nos. 611 and '612 "ADAPTA" GULLIES.



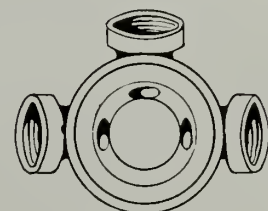
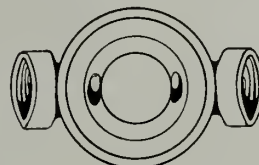
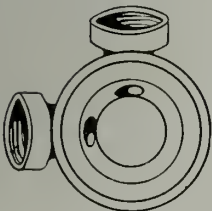
PRICE, Brown Glazed Stoneware, 3/6 each.

# "ADAPTA" GLAZED STONEWARE GULLIES.

WITH 6 in. by 4 in. REVERSIBLE TOP PIECES AND 2 in. INLETS.



Also made with 2 in. Vertical Inlet.



No. 613.

No.		Brown Glazed Stoneware.
613	"Adapta" Gully Top Piece, 6×4 in. diameter, without Trap, Plain ... each	3/-

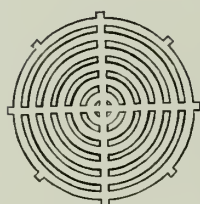
Extra for 2 in. Horizontal Inlets, 1/- each.

Extra for 2 in. Vertical Inlets, 1/6 each.

For GLAZED STONEWARE and CAST-IRON GULLY TRAPS, CAST-IRON CIRCULAR GRATINGS and COVERS and FRAMES, see page 113.

# CAST-IRON CIRCULAR GRATINGS AND COVERS AND FRAMES.

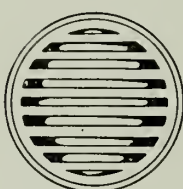
FOR "ADAPTA" GLAZED STONEWARE GULLIES.



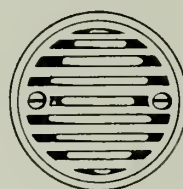
No. 614.



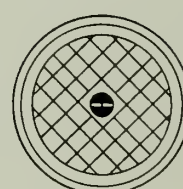
No. 615.



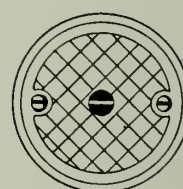
No. 616.



No. 617.



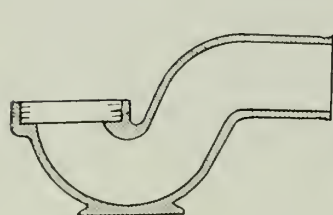
No. 618.



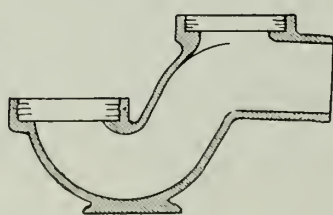
No. 619.

	No. 614	No. 615	No. 616	No. 617	No. 618	No. 619	
For 9 in. dia. ...	1/3	1/6	4/9	6/9	3/9	5/6	Coated Galvanized
Top Pieces ...	2/3	2/6	7/3	9/-	5/6	7/9	
For 6 in. dia. ...	1/-	1/-	—	—	2/3	—	Coated Galvanized
Top Pieces ...	2/-	2/-	—	—	2/9	—	

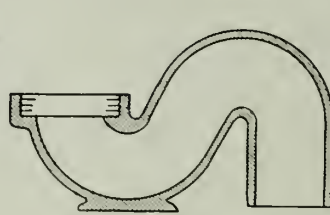
## GLAZED STONEWARE GULLY TRAPS.



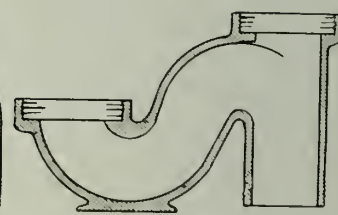
No. 624.



No. 625.



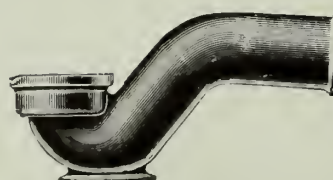
No. 626.



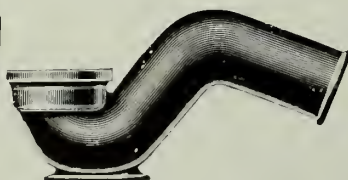
No. 627.

## CAST-IRON GULLY TRAPS.

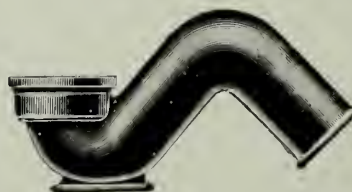
WITH WIDE SOCKETS TO TAKE STONEWARE TOP PIECES.



No. 630, 95°.



No. 631, 112°.



No. 632, 135°.

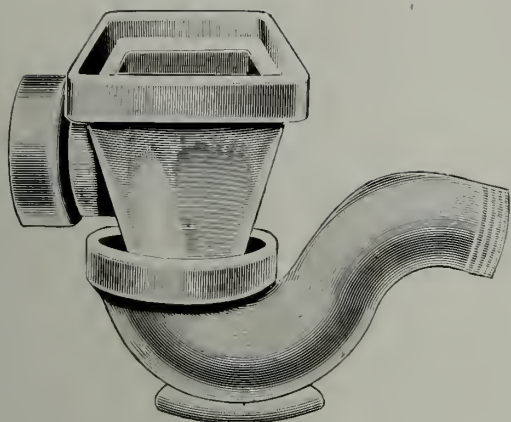


No. 633, 180°.

No.		Each.
624 or 626	Glazed Stoneware Gully Traps, 95° or 180° Outlet, Plain ...	5/-
625 or 627	Do. do. do. with Access Socket ...	7/6
630 or 631	Cast-iron Gully Traps, Coated, 95° or 112° Outlet ...	6/6
632 or 633	Do. do. 135° or 180° „ ...	7/3

Extra for Access Socket on Cast-iron Traps, 3/6 each.



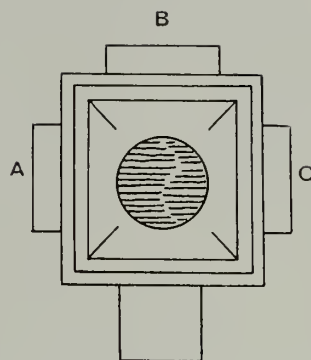


View.

## "REVERSIBLE" GLAZED STONEWARE GULLY.

WITH 6 × 6 in.  
SQUARE REVERSIBLE  
TOP PIECE.

No. 635.

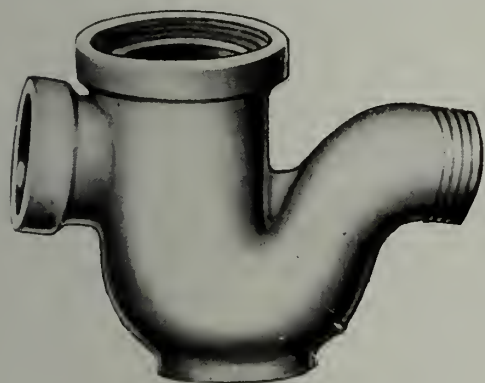


Plan.

No.		Brown Glazed Stoneware.
635	"Reversible" Gully Top Piece, 6 in. × 6 in. Square Top, 4 in. diameter Outlet, Plain ... each	3/-

Extra for Horizontal Side Inlets 1/- each.

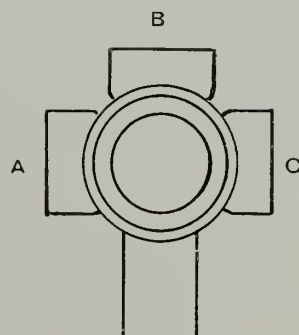
For Glazed Stoneware and Cast-iron Gully Traps, see page, 113. Cast-iron Square Grating, Coated, 1/3; Galvanized, 2/- each.



View.

## "PERFECTA" GLAZED STONEWARE GULLY.

No. 636.

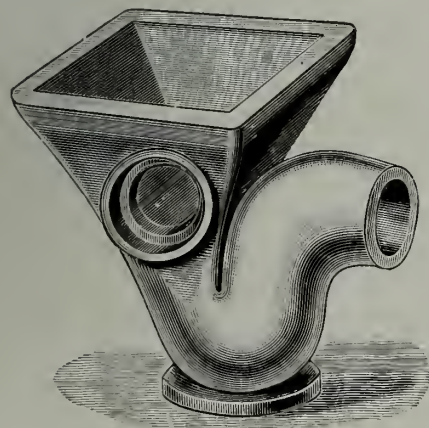


Plan.

No.		Brown Glazed Stoneware.
636	"Perfecta" Gully, 6 in. diameter at Top, 4 in. diameter Outlet, Plain ... each	4/7

Extra for Horizontal Side Inlets, 1 - each.

Cast-iron Circular Grating, Coated, 1/-; Galvanized, 2/- each.



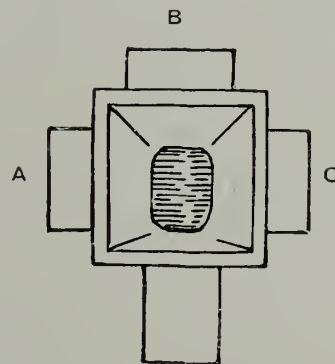
View.

## "DEEP SEAL" BRISTOL GLAZED STONEWARE GULLY.

(Regd. No. 240,705.)

Used extensively in London County  
Council School Work, etc.

No. 637.



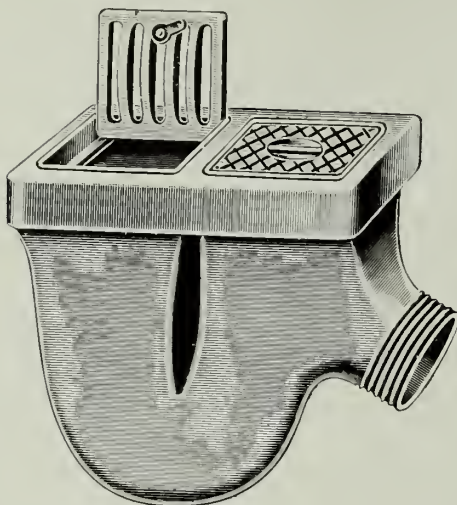
Plan.

No.		Bristol Glazed Stoneware.
637	"Deep Seal" Gully, 11 in. × 11 in. Square Top, overall 4 in. diameter Outlet, Plain ... each	9/-

Extra for Horizontal Inlets, 1 3 each.

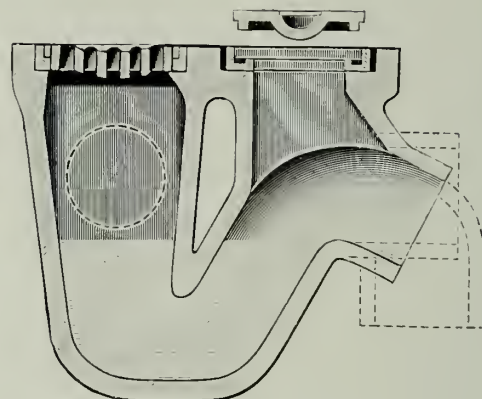
Cast-iron Square Grating, Coated, 2/3; Galvanized, 3/3 each.

## "ACCESS" GLAZED STONEWARE GULLY.



View.

No. 638.

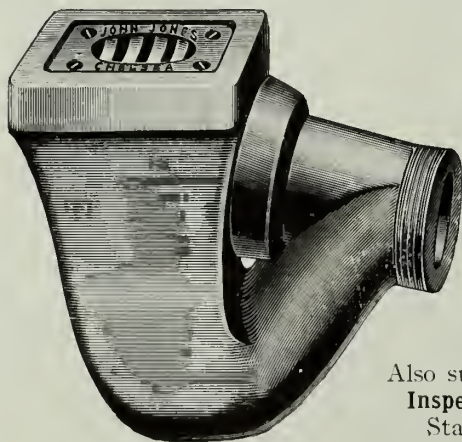


Section (P, Q or S Outlet).

This Gully is designed to afford facility for Inspecting and Clearing Drain.  
Dimensions of Top, 16×8 in. overall; Grating, 6×6 in.; Outlet, 4 in. diameter.

No.									Brown Glazed Stoneware.
638	Access Gully, with Inspection Cover in Galvanized Cast-iron, secured with Gun-metal Screws ...	...	...	...	...	...	...	each	15/6
	Extra for Vertical Inlets	...	...	...	...	...	...	"	2/-
	" Horizontal Inlets	...	...	...	...	...	...	"	1/3
	" Galvanized Grating and Frame	...	...	...	...	...	...	"	3/-
	" Do. do. with Lock and Key	...	...	...	...	...	...	"	4/-

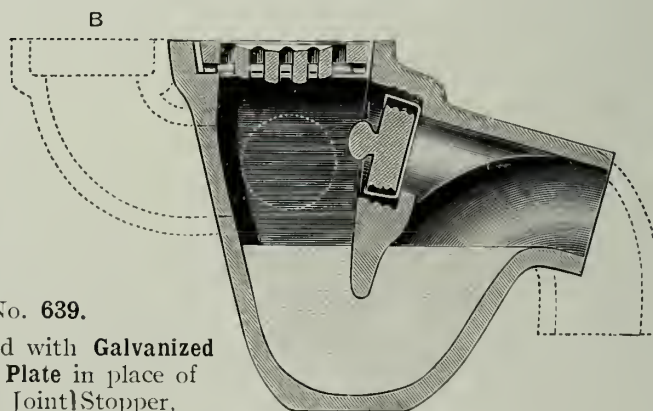
## "INSPECTION" GLAZED STONEWARE GULLY.



View.

No. 639.

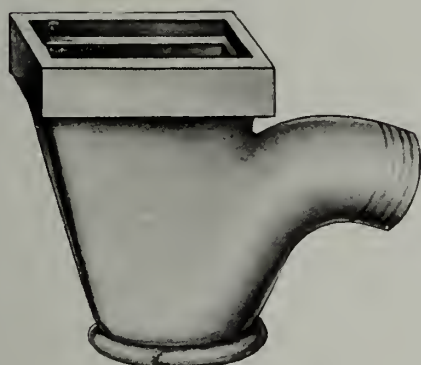
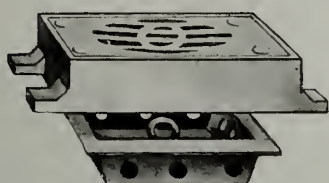
Also supplied with Galvanized Inspection Plate in place of Stanford Joint Stopper, Extra, 1/6.



Section.

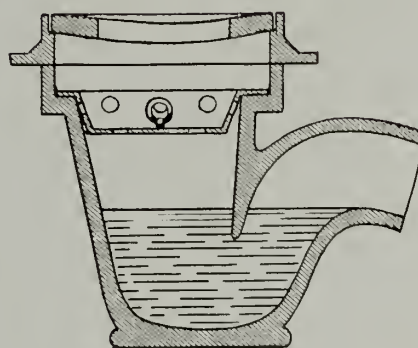
No.									Brown Glazed Stoneware.
639	Inspection Gully, having Inspection Arm, fitted with Stanford Joint Stopper and Coated Cast-iron Grating ...	...	...	...	...	...	...	each	7/6
	Extra for Vertical Inlets, B	...	...	...	...	...	...	"	2/-
	" Horizontal Inlets, A	...	...	...	...	...	...	"	1/3
	" Galvanized Grating	...	...	...	...	...	...	"	9d

# "BELVOIR" GLAZED STONEWARE STABLE GULLY.



View.

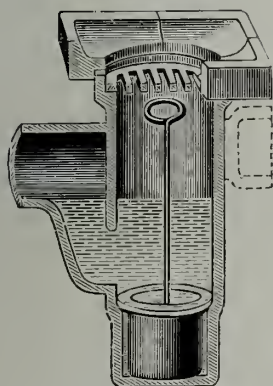
No. 640.



Section.

No.			Brown Glazed Stoneware.
640	"Belvoir" Stable Gully, 8×8 in., Square Top, 4 in. dia. Outlet, Plain ... each		6/8
	Extra for Inlets, 1/- each. Coated. Galvanized.		
	Extra for Cast-iron Grating and Frame ...	5/6 8/6 each.	
	" " Basket ...	3/- 4/3 "	

## DEAN'S GULLY.



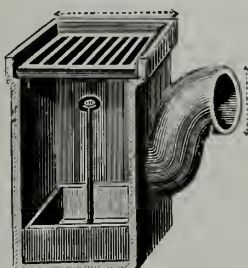
No. 643.

Dean's Gully, complete with Dished Curb, Cast-iron Grating, and Galvanized Wrought-iron Bucket.

Size, Internal Dia., ins.	6	9	12
Each ...	14 2	24 2	42 6

Extra for Inlets, 1/- each.

## MUD GULLY.



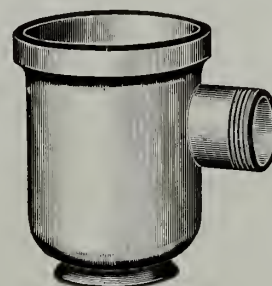
No. 644.

Mud Gully, 9×9 in. square, with 4 in. dia. Outlet, Coated Cast-iron Grating and Bucket ...

15/-

Extra for Inlets, 1/- each.

## TRAPLESS GULLY.

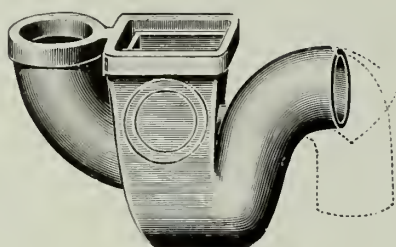


No. 645.

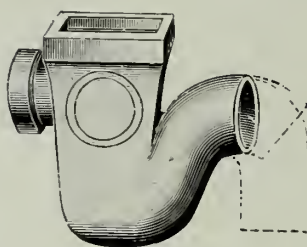
Trapless Gully, 9 in. dia. inside, 4 in. dia. Outlet ...		7/6
Do., 6 in. dia. inside, 4 in. dia. Outlet ...		4/7
	Coated. Galvd.	
Grating for 9 in. Size Extra ...	1/9	3/6
Do. 6 in. do.	1/3	2/-



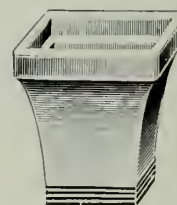
# RAIN-WATER GULLY. YARD GULLY. RAISING PIECES.



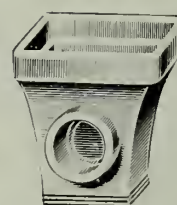
No. 647.



No. 648.



Plain.



With Inlet.

No. 649.

Rain-water Gully, with 3 in. or 4 in. Vertical Inlet ... ..	6/1
---	-----

Extra for Side Inlets, 1/-

Yard Gully, Plain ...	4/7
-----------------------	-----

Extra for Inlets, 1/-

Raising Pieces for Gullies, 6×6 in. at Top. 4 in. 2/3; 8 in. 2/6; 12 in. high 2/9
---

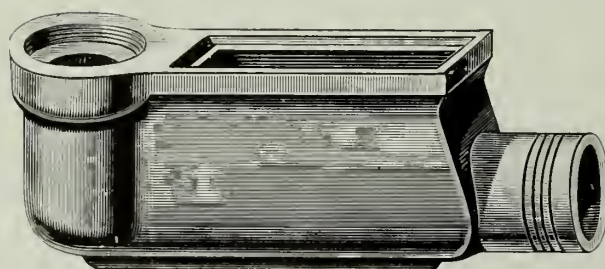
Extra for Inlets, 1/-.

	Coated	Galvanized.
6×6 in. Cast-iron Gratings, for above ... .. each	1/-	2/-
Do. do. do. Slotted for Waste Pipe ... .. "	1/-	2/-
Do. do. Hinged Grating and Frame ... .. "	2/-	3/-
Do. do. do. with Locking Screw ... .. "	2/9	3/9
Do. do. Cover and Frame ... .. "	1/3	2/-
Do. do. do. with Two Gun-metal Screws ... .. "	2/6	3/6

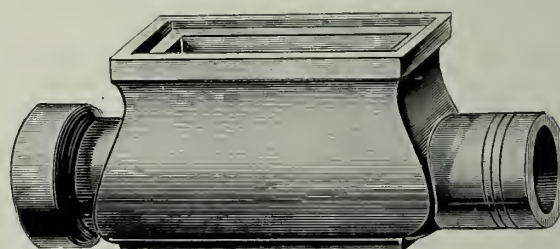
## RAIN-WATER SHOE.

## INSPECTION SHOE.

ALSO MADE WITH SIDE INLETS.



No. 650.



No. 651.

Rain-water Shoe, 3 in. Vertical Inlet, 3 in. Outlet ... ..	5/-
Do. 3 in. do., 4 in. do. ... ..	6/-
Do. 4 in. do., 4 in. do. ... ..	6/-

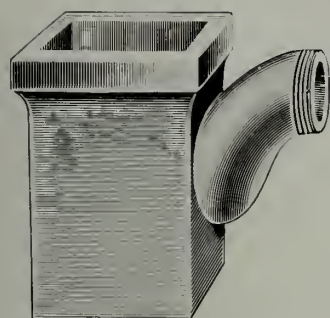
Extra for Side Inlets, 1/- each.

Inspection Shoe, 3 in. Horizontal Inlet, 3 in. Outlet ... ..	5/-
Do. 4 in. do., 4 in. do. ... ..	6/-

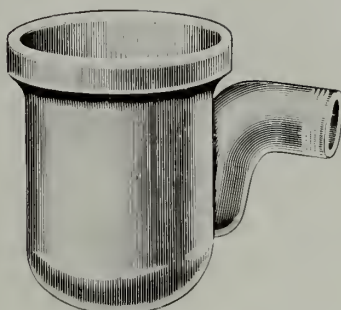
Extra for Side Inlets, 1/- each.

	Coated.	Galvanized.
Cast-iron Gratings, for above ... .. each	1/-	1/9
Do. Grating and Frame ... .. "	2/6	4/-
Do. do. with Two Gun-metal Locking Screws ... .. "	3/6	5/3
Do. Cover and Frame ... .. "	3/-	4/6
Do. do. with Two Gun-metal Locking Screws ... .. "	4/-	5/9

## YARD GULLIES.



No. 655.—Square.



No. 656.—Circular.

## STREET GULLY.

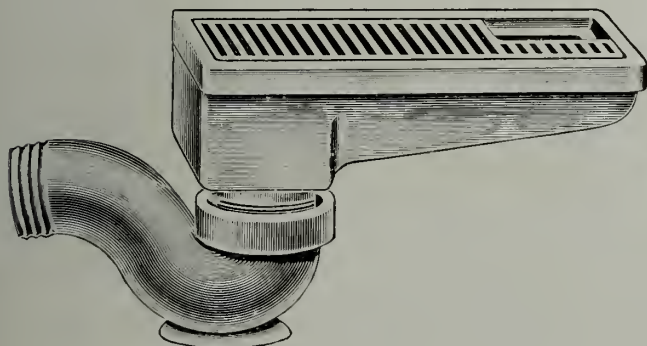


No. 657.

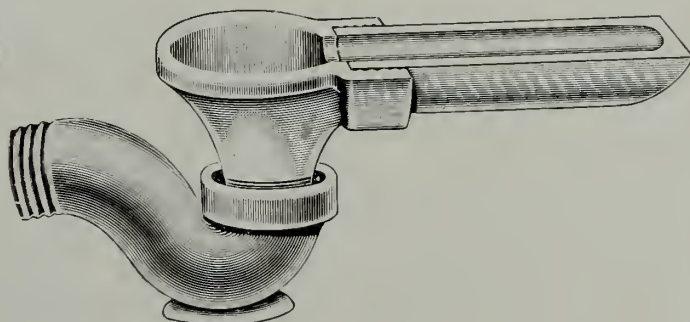
No.		Each.
655	<b>Yard Gully, Square Pattern—</b>	
	8½ × 8½ in. inside × 14 in. deep, 4 in. Outlet ...	7/6
	8½ × 8½ in. „ × 18 in. „ 4 in. „ ...	10/-
656	<b>Yard Gully, Circular Pattern—</b>	
	6 in. dia. inside × 16 in. deep, 4 in. Outlet ...	4/9
	9 in. „ × 20 in. „ 4 in. „ ...	10/-
	9 in. „ × 30 in. „ 4 in. „ ...	12/6

No.		Each.
657	<b>Street Gully, Circular Pattern, 12 in. dia. inside × 30 in. deep, 4 in. or 6 in. Outlet ...</b>	17/6
	Do. do. 15 in. „ × 36 in. „ 6 in. Outlet ...	27/6
	Do. do. 18 in. „ × 36 in. „ 6 in. „ ...	36/8
	Do. do. 18 in. „ × 36 in. „ 9 in. „ ...	36/8
	Do. do. 18 in. „ × 42 in. „ 9 in. „ ...	42/6
	Do. do. 18 in. „ × 48 in. „ 9 in. „ ...	50/-

## GULLY CHANNELS.



No. 658.



No. 659.

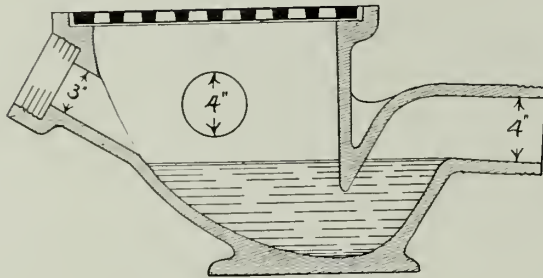
No.		Brown Glazed Stoneware	Buff Glazed Stoneware
658	<b>Gully Channel, with Trap and Coated Cast- iron Grating ... each</b>	10/6	11/9

Extra for Galvanized Grating, 2/9 each.

No.		Each.
659	<b>Gully Channel, comprising 4 in. Channel Stop End, Gully Inlet and Trap, Buff and White Glazed Stoneware only ...</b>	10/9

Cast-iron Grating to fit top of Gully Inlet,  
Coated, 2/3; Galvanized, 3/9.

## GLAZED STONEWARE FLUSHING GREASE GULLY.



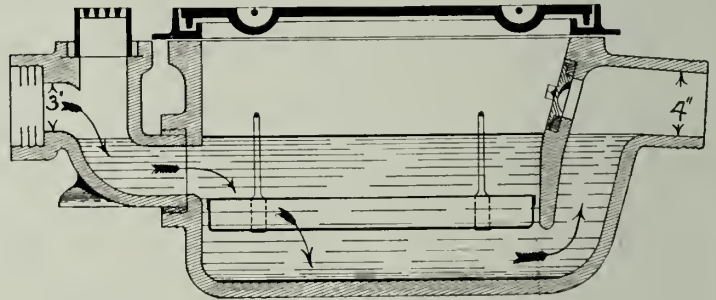
No. 661.

No.	Each.
661 Glazed Stoneware Flushing Grease Gully, with Loose Coated Grating, 3 in. Flushing Inlet, 4 in. Side Inlets, White Enamelled inside ... ..	25/-

Extra for Galvanized Grating, 4/-.  
Extra for Air-tight Cover and Frame.  
Painted, 10/9; Galvanized, 17/6.

## GLAZED STONEWARE GREASE TRAP.

No.		Each.
662	Glazed Stoneware Grease Trap, with Galvanized Perforated Tray, Galvanized Air-tight Cover and Frame, 3 in. Inlet, White Enamelled inside:—	
	Small Size, 18 × 12 in. ... ..	72/6
	Large Size, 24 × 18 in. ... ..	105/6

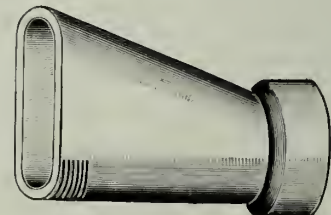


No. 662.

## GLAZED STONEWARE DRAIN CHUTES.



No. 665.



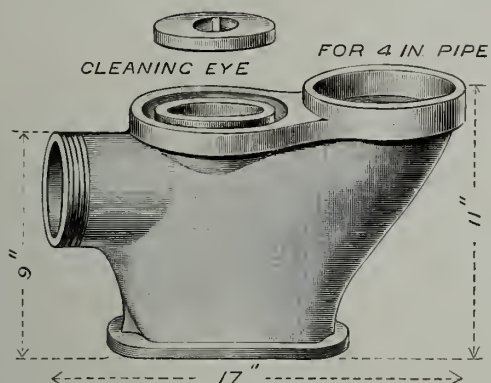
No. 666.

No.		Brown Glazed Stoneware	Buff and White Stoneware
665	Drain Chute, 4 in. ...	3/6	5/-
	Do. 6 in. ...	5/9	7/-

No.		Brown Glazed Stoneware	Buff and White Stoneware
666	Drain Chute, 4 in. ...	3/6	5/-
	Do. 6 in. ...	5/9	7/-



## RUST POCKET.

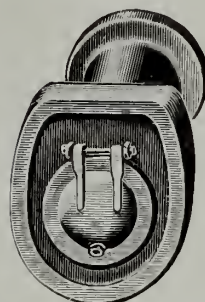


No. 667.

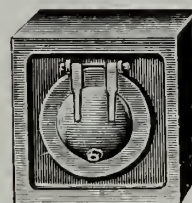
	Brown Glazed Stoneware
Rust Pocket, 4 in. Inlet and 4 in. Outlet, and Access Eye ...	6/8

## STONEWARE FLAP VALVES.

WITH GALVANIZED CAST-IRON FLAPS.



No. 668.



No. 669.

No.	Size ...	4 in.	6 in.	9 in.	12 in.
668	Pipe Flap Valve	12/6	18/4	27/6	45/-
669	Block Flap Valve	12/6	18/4	27/6	45/-

## TAPER WASTE CONNECTING PIECES.

FOR CONNECTING BATH AND SINK WASTES, &c. WITH GULLIES, MAKING A PERFECT CONNECTION.

Arranged to fit into a 4 in. Earthenware Pipe Socket.



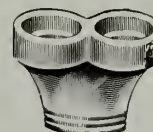
No. 1—2×4 in.



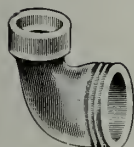
No. 2—3×4 in.



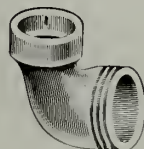
No. 3—2×2×4 in.



No. 4—3×3×4 in.



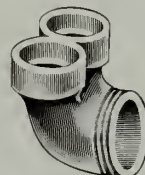
No. 5—2×4 in.



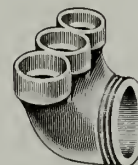
No. 6—3×4 in.



No. 7—2×2×4 in.



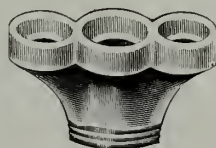
No. 8—3×3×4 in.



No. 9—2×2×2×4 in.



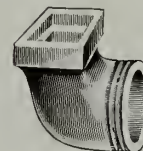
No. 10—2×2×2×4 in.



No. 11—2×3×2×4 in.



No. 12—3×4×4 in.

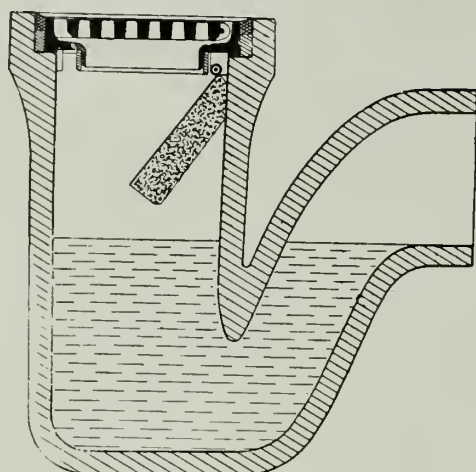


No. 13—3×4×4 in.

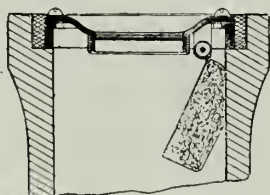
Nos. 1, 2, 5, 6, 12, 13	...	...	each	1/4
Nos. 3, 4, 7, 8	...	...	"	2/-
Nos. 9, 10, 11	...	...	"	2/9

# "EUREKA" PATENT ANTI-FLOODING GULLY VALVES.

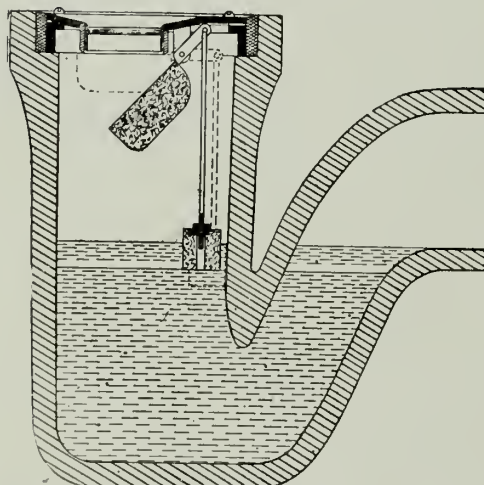
NOTE.—It is necessary when ordering Anti-Flooding Gully Valves to give the size of rebate, depth of rebate, size of inside of gully, and depth from bottom of rebate to water line.



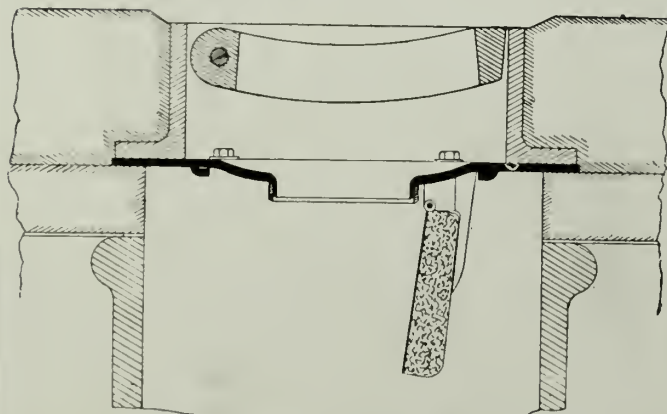
Section of No. 675.



Section of No. 676.



Section of No. 678.



Section of No. 679.

PRICES (not including Gully Trap).

No. 675.

Galvanized Cast-iron Valve Plate and Frame, large area Hinged Grating, Aluminium Hinged Valve with Cork Float closing against a best Rubber Seating.

For Square Topped Gullies, with 1 in. rebates.

Size over all.		Size over all.	
4 × 4 in. ...	8/-	8 × 8 in. ...	11/6
6 × 6 in. ...	10/-	10 × 10 in. ...	14/-

No. 676.

Galvanized Cast-iron Valve Plate and Grate, secured to Galvanized Iron Frame by 4 Brass Screws and Leather Washer, Aluminium Hinged Valve with Cork Float closing against a best Rubber Seating.

For Square Topped Gullies, with 1 in. rebates.

Size over all.		Size over all.	
4 × 4 in. ...	9/-	8 × 8 in. ...	13/-
6 × 6 in. ...	11/-	10 × 10 in. ...	16/-

No. 677.

For Round Topped Gullies, with 1 in. rebates.

Diameter over all.		Diameter over all.	
5 in. for 4 in. pipe	9/-	13 in. for 12 in. pipe	15/-
7 " 6 "	11/-	16 " 15 "	18/-
10 " 9 "	13/-		

No. 678.

Galvanized Cast-iron Valve Plate and Grate, secured to Galvanized Iron Frame by Brass Screws, Aluminium Hinged Valve with Cork Float closing against a best Rubber Seating, and Anti-evaporation Attachment with Adjustable Float.

For Square Topped Gullies, with 1 in. rebates.

Size over all.		Size over all.	
6 × 6 in. ...	15/-	10 × 10 in. ...	19/-
8 × 8 in. ...	16/6		

No. 679.

Heavy Coated Cast-iron Frame and Valve Plate, secured by Set Screws and Half Washers, machined Joint, Aluminium Hinged Valve with Cork Float resting against Brackets and closing against a best Rubber Seating. For Road Gullies.

Diameter over all.		Opening in Frame for Scoop.	
15 for 12 in. Gullies	...	10 in.	18/-
18 " 15 in. "	...	12 in.	22/-
21 " 18 in. "	...	12 in.	28/-

# WHITE GLAZED CHANNEL PIPES AND CONNECTIONS.

FOR INSPECTION CHAMBERS, FLOOR CHANNELS, &c.

Straight Channel.



No. 681.

Double Socket.



No. 682.

No. 681. Length	4 or 6 in.	9 in.	12 in.	18 in.	24 in.	30 in.	36 in.	No. 682.	
4 in. dia. ...	1/-	1/3	1/3	1/6	1/10	2/4	2/9	4 in. dia. ...	2/3
5 in. „ ...	1/2	1/5	1/5	1/10	2/3	2/10	3/4	6 in. „ ...	3/6
6 in. „ ...	1/3	1/8	1/8	2/-	2/5	3/-	3/8	9 in. „ ...	5/6
9 in. „ ...	2/-	—	2/5	3/-	4/-	5/-	6/-		

Diminishing Taper Channel.



No. 683.

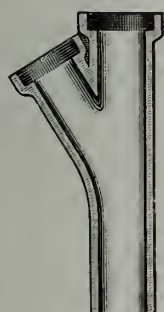
Enlarging Taper Channel.



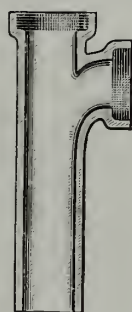
No. 684.

Nos. 683 and 684.	Length ...	6 in.	12 in.	18 in.	24 in.	30 in.	36 in.
5 to 4 in. dia. ...	...	1/8	1/9	2/5	2/10	3/6	4/3
6 „ 4 in. „ ...	...	1/10	2/1	2/9	3/3	4/-	4/10
6 „ 5 in. „ ...	...	1/10	2/1	2/9	3/3	4/-	4/10
9 „ 6 in. „ ...	...	—	3/8	4/3	4/9	6/-	7/3

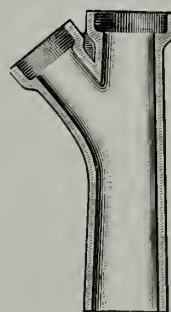
## CHANNEL JUNCTIONS.



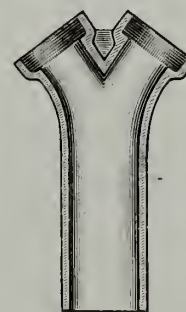
No. 685.



No. 686.



No. 687.



No. 688.

Left or Right Hand.

Left or Right Hand.

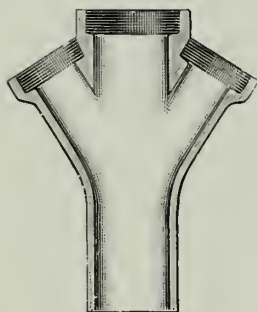
Left or Right Hand.

No. 685. Dia.	12 in. long.	24 in. long.	No. 686. Dia.	12 in. long.	24 in. long.	No. 687. Dia.	24 in. long.	No. 688. Dia.	24 in. long.
4×4 in. ...	3/-	3/-	4×4 in. ...	3/-	3/-	6×4×4 in. ...	5/4	4×4×4 in. ...	4/3
6×4 in. ...	5/4	5/4	6×4 in. ...	5/4	5/4	9×6×6 in. ...	8/-	6×4×4 in. ...	7/3
6×6 in. ...	5/4	5/4	6×6 in. ...	5/4	5/4			9×6×6 in. ...	10/9

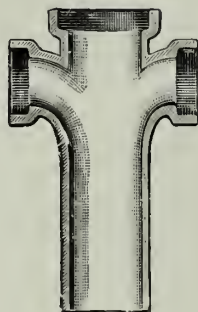
Brown Glazed Channels also stocked.



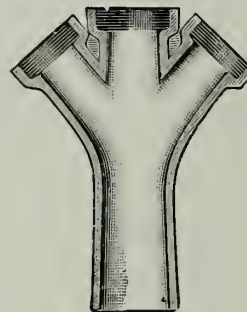
## WHITE GLAZED CHANNEL JUNCTIONS.



No. 689.



No. 690.



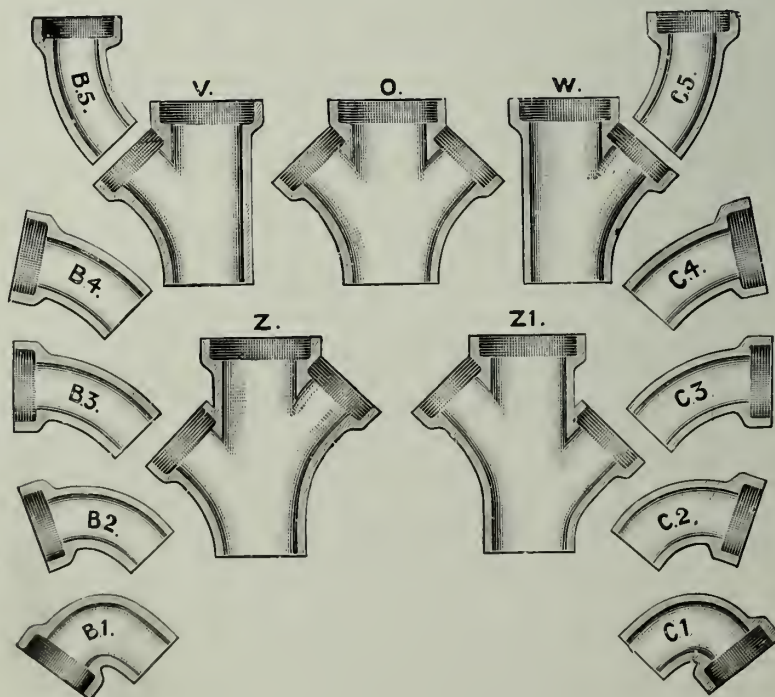
No. 691. Taper

Sizes ...	...	...	...	12 in. long.	24 in. long.	Size ...	...	...	...	24 in. long.
4 × 4 × 4 in.	...	...	...	4/3	4/3	6 × 4 × 4 in.	...	...	...	7/3
6 × 4 × 4 in.	...	...	...	7/3	7/3					
6 × 6 × 6 in.	...	...	...	7/3	7/3					

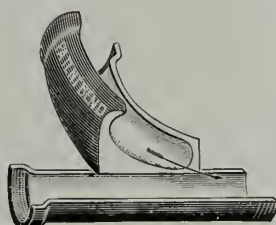
## WHITE GLAZED CHANNEL JUNCTIONS.

With Adjustable Bends to give any angle when drains are on same level.

No.	Patent Junctions—	V.	W.	O.
692	6 × 4 × 13½ in. long ...	5/6	5/6	7/3
693	6 × 6 × 18 in. „ ...	5/6	5/6	7/3
	Patent Junctions—	...	Z.	Z 1.
694	6 × 4 × 17 in. long ...	...	7/3	8/4
695	6 × 6 × 21 in. „ ...	...	7/3	8/4
	Adjustable Bends—	4 in.	6 in.	
696	B1 to 5 and C1 to 5 ...	...	2/6	3/3



# PATENT CHANNEL BENDS.



View showing **Patent Channel Bend** discharging into Straight Channel,  
made in the various shapes **M to J L**, and **N to J R**.  
To take drainage from any angle.

No. 697.

## HALF SECTION.

Left Hand. Right Hand.  
**A 1, A, B, C, D, K. A 1, H, G, F, E, K.**

No. 697.	4 in.	6 in.
White Glazed ...	2/3	3/3
Brown „ ...	1/9	2/6



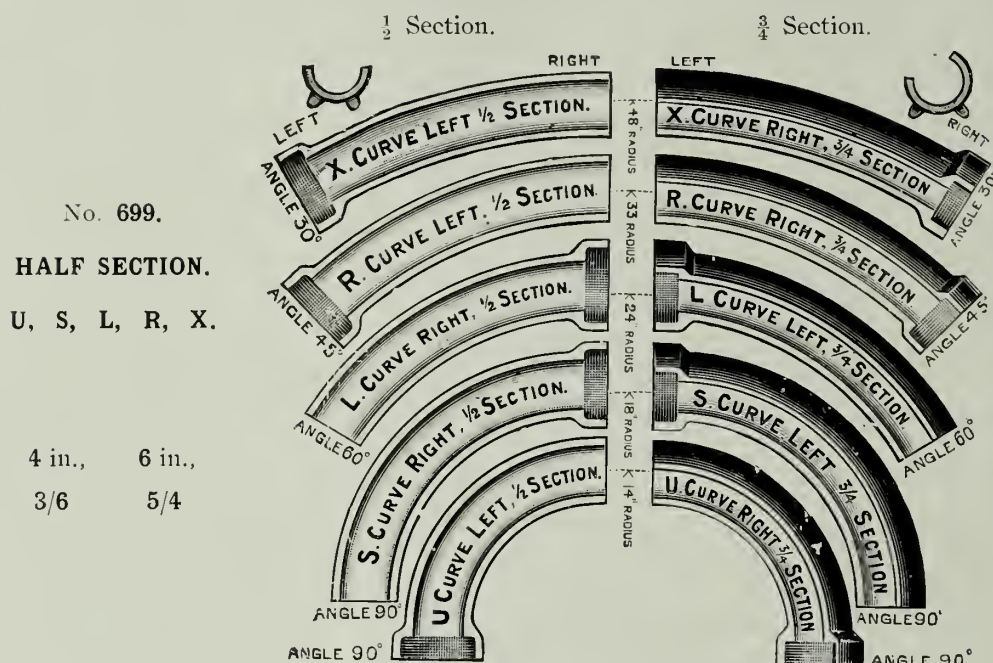
No. 698.

## THREE-QUARTER SECTION.

Left Hand. Right Hand.  
**M to J. N to J.**

No. 698.	4 in.	6 in.
White Glazed ...	2/9	4/-
Brown „ ...	2/-	3/-

# WHITE GLAZED CHANNEL CURVES.

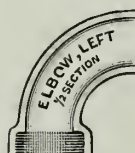


Sockets are made Right or Left Hand.

## ELBOWS.

No. 701.  
HALF SECTION.

4 in., 6 in.,  
2/6 3/6



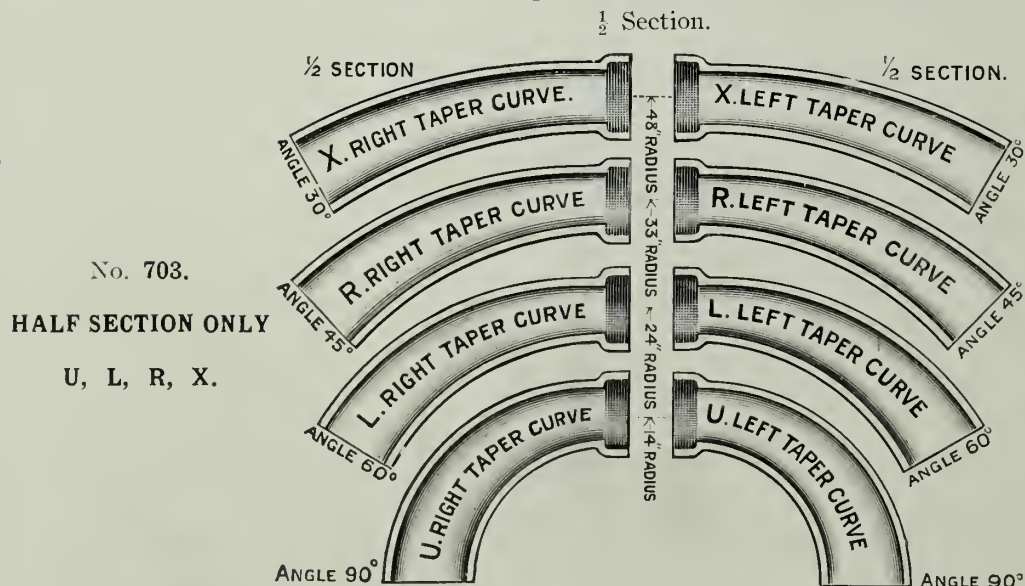
No. 702.  
THREE-QUARTER SECTION.

4 in., 6 in.,  
3/- 4/3



Sockets are made Right or Left Hand.

## TAPER CHANNEL CURVES.

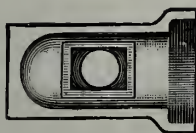


4 to 6 in. ... 4/3 ea.  
6 ,, 9 in. ... 7/6 ,,



# LAVATORY FLOOR AND URINAL CHANNELS AND CONNECTIONS.

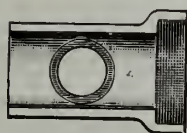
WHITE GLAZED.



End Outlet.

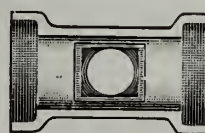
4 in. 6 in.  
4/6 6/-

Also made with Outlet for  
Circular Grating, 6 in., 4/3



Middle Outlet.

4 in. 6 in.  
3/6 4/9



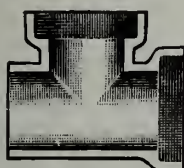
Middle Outlet  
with Double Socket.

4 in. 6 in.  
4/6 6/-



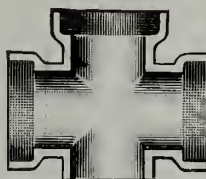
Stop End.

4 in. 6 in.  
2/2 2/9



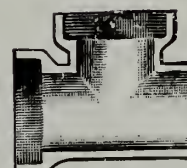
Junction, Left.

4 in. 6 in.  
3/- 5/6



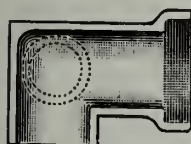
Double Junction.

4 in. 6 in.  
4/3 7/3



Junction, Right.

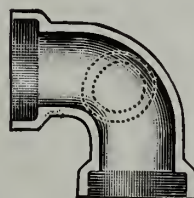
4 in. 6 in.  
3/- 5/6



Right Angle, Left

4 in. 6 in.  
3/- 5/6

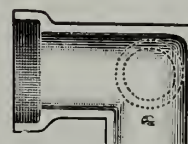
With Outlet, 1/3 extra.



Elbow.

4 in. 6 in.  
3/3 4/9

With Outlet, 1/3 extra.



Right Angle, Right.

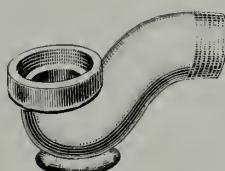
4 in. 6 in.  
3/- 5/6

With Outlet, 1/3 extra.



Brass Hinged and  
Locking Grate.

4 in. 6 in.  
5/6 7/6



Trap.

White. Brown.

3 in. or 4 in. Outlet, 5/9 3/6



Registered Circular Brass  
Locking Grate.

4 in. 6 in.  
5/6 7/6

## Best White Glazed Straight Channels.

Stock Lengths ...					6 in.	9 in.	12 in.	18 in.	24 in.	30 in.	36 in.
4 in. ...	...	...	...	...	1/-	1/3	1/3	1/6	1/10	2/4	2/9
6 in. ...	...	...	...	...	1/3	1/8	1/8	2/-	2/5	3/-	3/8

# GLAZED STONEWARE DRAIN PIPES AND FITTINGS.



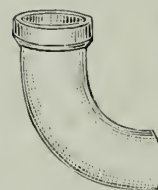
**Straight Pipes with Sockets.**

2 to 6 in. dia., 12 to 24 in. long.  
 9 „ 12 in. „ 24 „ 30 in. „  
 15 „ 18 in. „ 30 in. long.

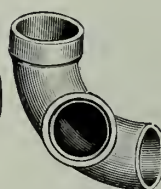


**Taper Pipes.**

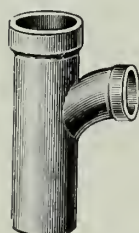
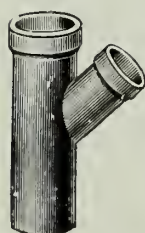
12 in. and 24 in. long.



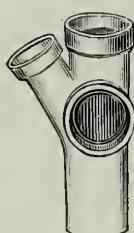
**Bends.**



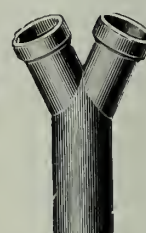
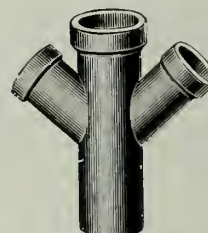
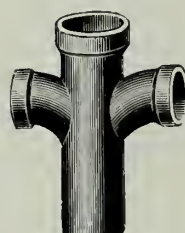
**Bend with Access Socket.**



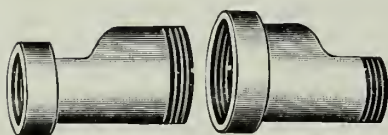
**Single Junctions.**  
 24 in. long.



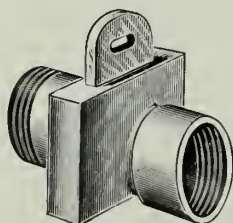
**Single Junction, with Access.**



**Double Junctions, 24 in. long.**



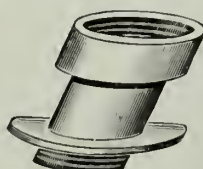
**Short Taper Pipes, with Level Invert.**



**Sluice-Gate Valve.**



**Double Socket.**



**Saddle Junction.**

Sizes, Internal Diameter, ins.	2	3	4	6	9	12	15	18
<b>Straight Pipes, with Sockets</b> ...per yd.	1/3	1/3	1/6	2/3	4/6	7/6	12/-	17/6
Short Pipes charged as 2 ft.								
<b>Taper Pipes, 12 in. or 24 in. long</b> each	—	1/8	2/-	3/-	6/-	10/-	16/-	23/4
<b>Bends and Elbows</b> ... ..	1/3	1/3	1/6	2/3	4/6	7/6	12/-	35/-
<b>Bend, with Access Socket</b> ... ..	4/2	4/2	5/-	7/6	15/-	25/-	40/-	—
<b>Single Junctions</b> ... ..	1/8	1/8	2/-	3/-	6/-	10/-	16/-	23/4
Do., with Access Socket ... ..	4/2	4/2	5/-	7/6	15/-	25/-	40/-	—
<b>Double Junctions</b> ... ..	2/6	2/6	3/-	4/6	9/-	15/-	24/-	35/-
Do., with Access Socket ... ..	5/-	5/-	6/-	9/-	18/-	30/-	48/-	—
<b>Double Sockets</b> ... ..	1/8	1/8	2/-	3/-	6/-	10/-	16/-	23/4
<b>Sluice-Gate Valve</b> ... ..	—	—	4/-	5/-	7/6	11/6	16/-	24/-
<b>Short Taper Pipes, with Level Invert</b>	—	—	2/6	3/9	6/3	—	—	—
<b>Saddle Junction, 4 in. into 6, 9, 12, 15 or 18 in.</b> ... ..	each 2/-							
Do. 6 in. into 9, 12, 15 or 18 in. ... ..	3/-							
Do. 9 in. into 12, 15 or 18 in. ... ..	6/-							
Do. 12 in. into 15 or 18 in. ... ..	10/-							

London and Country made Tested Pipes and Connections.  
 Invert Blocks, Air Bricks, Damp-proof Courses, etc.

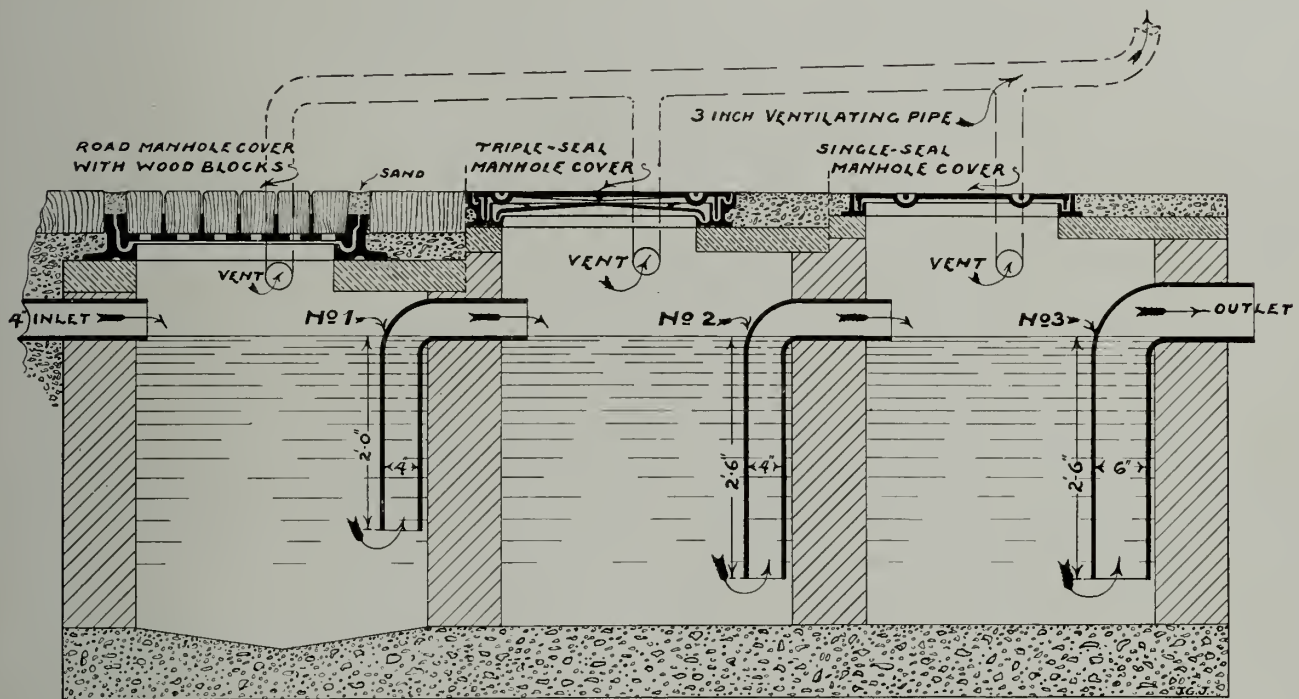
In London Stock.  
 Prices  
 quoted on application.

# GLAZED STONEWARE BENDS.

FOR PETROL INTERCEPTING TANKS.

Complying with L.C.C. Regulations for Motor Garages.

All surface Drainage must pass through an Intercepting Tank, as designed below, before passing into Sewer.



Various forms of Surface Access **Manhole Covers** are shewn, any one of which may be used throughout. We merely illustrate these as examples for different situations in which Petrol Intercepting Tank may be placed.

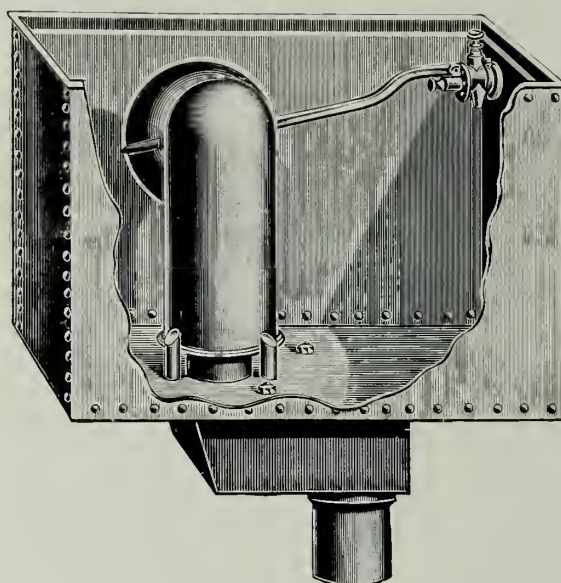
## PRICES (Bends Only).

No.		Each.
1	4 in. Glazed Stoneware Bend	4/9
2	4 in. Do.	5/3
3	6 in. Do.	8/-

For **MANHOLE COVERS**, see pages 63—79.



# AUTOMATIC FLUSHING TANKS.



No. 720.

Galvanized Wrought-iron Automatic Flush Tank, with Cast-iron Trapping Box, Strong Zinc Cylinder, and Regulating Supply Valve.

## PRICES (Including Cover).

Gallons.	Length.	Width.	Depth.	No. 720. Ordinary Pattern.	No. 721. M.W.B. Pattern, for Disc Supply.
20	1 ft. 10 in.	1 ft. 4 in.	1 ft. 11 in.	£2 16 6	£4 4 0
25	2 ft. 2 in.	1 ft. 5 in.	1 ft. 11 in.	3 0 0	4 10 0
30	2 ft. 3 in.	1 ft. 6 in.	1 ft. 11 in.	3 6 0	4 19 0
40	2 ft. 7 in.	1 ft. 7 in.	2 ft. 2 in.	3 13 9	5 10 9
50	2 ft. 10 in.	1 ft. 9 in.	2 ft. 2 in.	4 4 0	6 6 0
60	3 ft. 1 in.	2 ft. 0 in.	2 ft. 2 in.	4 14 6	7 1 9
70	3 ft. 2 in.	2 ft. 3 in.	2 ft. 2 in.	5 9 0	8 8 6
80	3 ft. 6 in.	2 ft. 4 in.	2 ft. 2 in.	5 19 0	8 18 6
100	3 ft. 9 in.	2 ft. 8 in.	2 ft. 2 in.	6 2 0	9 3 0

Brass Union on Outlet for lead, 12/6 extra.

Above Dimensions are exclusive of Trapping Box.

For Automatic Flushing Tanks required to be fixed in new River District, address must be given for Registering Purposes.

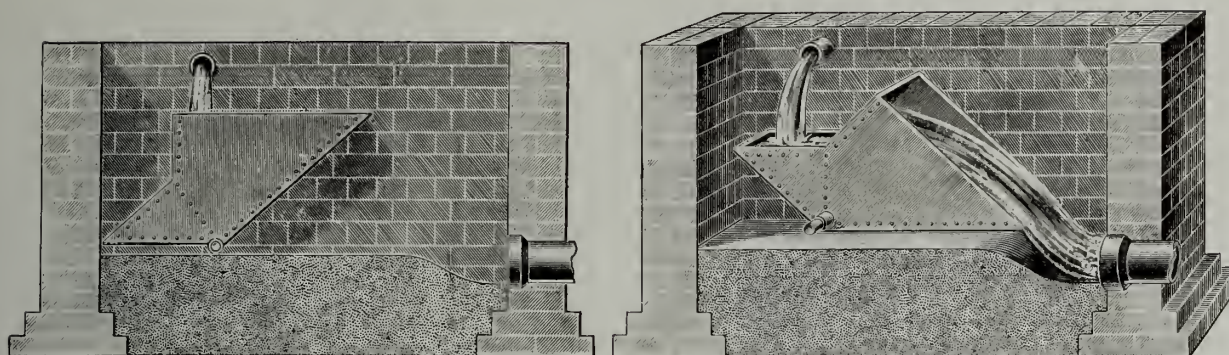
## CAST-IRON CANTILEVER BRACKETS.

Projection ...				12 in.	15 in.	18 in.	21 in.	24 in.
Painted ...	...	...	per pair	2/3	3/9	4/9	6/3	7/9
Galvanized ...	...	...	"	5/6	6/3	7/9	9/9	12/9

# WROUGHT-IRON TIPPING TANK.

FOR FLUSHING DRAINS, &c.

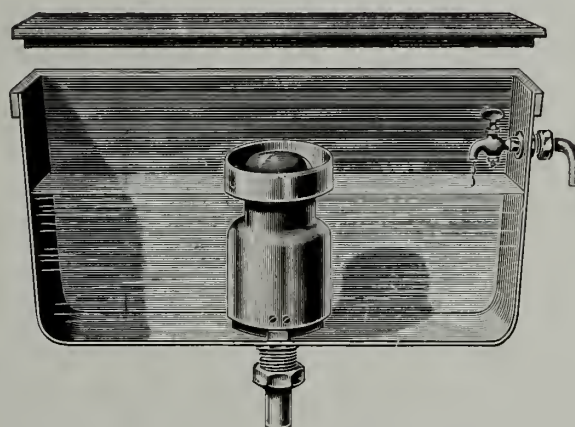
No. 722.



PRICES ON APPLICATION.

# PATENT AUTOMATIC FLUSHING CISTERN.

FOR URINALS, &c.



This **Flushing Cistern** is of improved principle, working with "drop by drop" supply. The Syphon is of Copper parts, brazed together with heavy Brass Fittings, and therefore practically indestructible in any water. The sure working is guaranteed, and there are no parts to get out of order.

The Syphon when discharging gives a very rapid and strong flush.

No. 723.—**Patent Automatic Flushing Cistern**, with Galvanized Wrought-iron Body and Lid, including Supply Cock and Union, as illustrated.

1 gallon	...	...	...	...	...	36/-	each
2 "	...	...	...	...	...	36/-	"
3 "	...	...	...	...	...	39/-	"
4 "	...	...	...	...	...	40/6	"
5 "	...	...	...	...	...	44/9	"
6 "	...	...	...	...	...	49/6	"

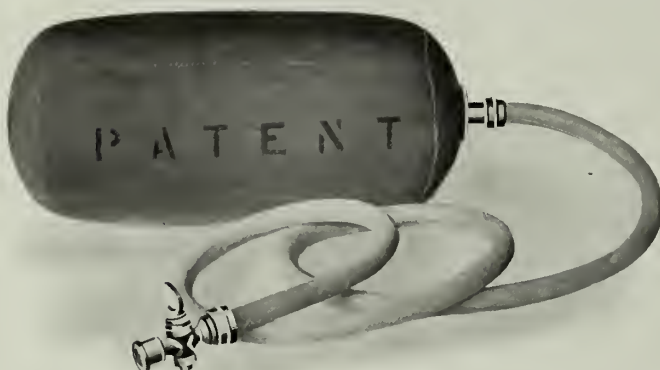
NOTE.—Porcelain Enamelled Fireclay and Marble Casings with Glass Fronts, quoted for on application.

# PATENT "FLEXIBLE" BAG DRAIN STOPPERS.

AS SUPPLIED TO H.M. GOVERNMENT (WAR DEPT.), CORPORATIONS, TOWNSHIPS, AND DISTRICT COUNCILS  
THROUGHOUT THE UNITED KINGDOM AND ABROAD.

Awarded Two Bronze Medals from the Sanitary Institute ; Eleven Gold Medals from different Exhibitions ; and  
Highest Award of Merit British Medical Association, Nottingham.

Made only from best materials, and freely acknowledged by leading Sanitary Engineers, after many years' use, to be  
the best Flexible Bag Drain Stopper made.



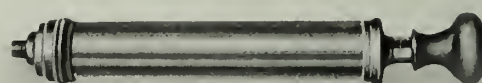
No. 1.



No. 1A.



No. 1B.



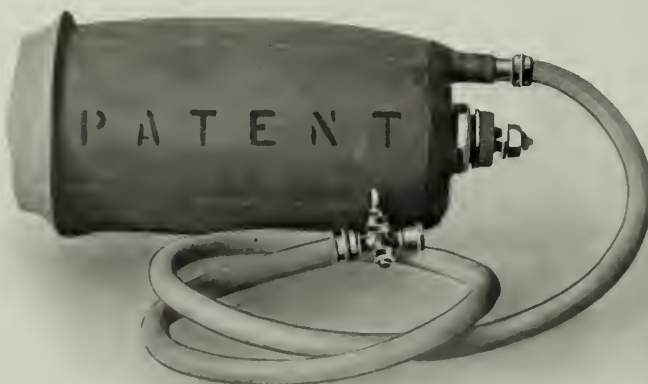
Air Pump.

The above consists of a cylindrical-shaped flexible bag for stopping pipes for the purpose of testing the soundness of Drains. To the bag is attached 6 feet of flexible tube, with a tap at the end, connected to a small hand pump. The bag is placed in the Drain before inflation, and by working the pump it is quickly filled with air, under sufficient pressure to dam the Drain. By turning the tap the inflated bag remains in that state as long as required ; and when done with, a half turn of the tap again releases the air, and the bag is withdrawn. Amongst its advantages may be named lightness and flexibility, enabling it to be folded and carried in a small compass ; it can be placed in syphons, gullies, and other traps, where all other stoppers fail.

These Bag Stoppers have the patent attachment for tubing, whereby the danger of a wire-tied joint cutting and rotting the tubing is obviated.

	3 in.	4 in.	5 in.	6 in.	7 in.	8 in.	9 in.	10 in.	12 in.	15 in.	18 in.	21 in.	24 in.
Nos. 1 and 1A ...	14/-	16/-	17/-	18/-	19 6	21 6	23/-	25 6	31/-	40/-	48/-	60/-	80/- each.
No. 1B ...	12/-	14/-	15/-	16/-	17 6	19 6	21/-	23 6	29/-	38/-	46/-	58/-	78/- "

Air Pumps, to inflate Bag Stoppers ... 6/6 each.



No. 2.



Any Special Size Made to Order at a Day's Notice.

No. 2.—A similar invention with the addition of a wired hose through the centre of the bag. At the outlet end of this tube is a brass cap, by detaching which water can be half let-off before deflating the bag. At the inlet end of the bag is attached a dished rubber washer, this washer rises with the bag as it is inflated and practically forms a plug in itself. This bag is adaptable for either Water or Smoke Testing.

Rubber disc not supplied with these sizes.									
4 in.	5 in.	6 in.	9 in.	12 in.	15 in.	18 in.			
No. 2, 20/-	21/-	22/-	28/6	38/6	48/6	58/6	each.		

Air Pumps, to inflate Bag Stoppers, 6/6 each.

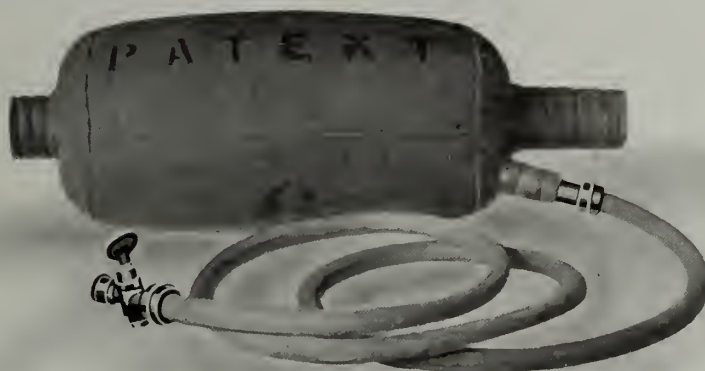
Any Special Size Made to Order at a Day's Notice.



# PATENT "FLEXIBLE" BAG DRAIN STOPPERS.

AS SUPPLIED TO H.M. GOVERNMENT (WAR DEPT.), CORPORATIONS, TOWNSHIPS, AND DISTRICT COUNCILS THROUGHOUT THE UNITED KINGDOM AND ABROAD.

Awarded Two Bronze Medals from the Sanitary Institute, Eleven Gold Medals from different Exhibitions, and Highest Award of Merit British Medical Association, Nottingham.



No. 2A.

This Bag Stopper is similar in principle to those shewn on preceding page with the addition of a Wired Flexible Hose through the centre of the Bag for purpose of testing drains, &c., by means of smoke test, as illustrated on page 139.

	4 in.	5 in.	6 in.	9 in.
No. 2A ...	16/-	17/-	18/-	23/- each.

Air Pump, to inflate Bag Stoppers ... 6/6 each.



No. 3.

The Drain Stopper shewn above is a useful and valuable apparatus for discovering the whereabouts of leakages in drains and sewers.

After floating a fine cord down line of pipes between two open points, a stout marked-off cord is passed through. The Stopper is then attached to cord, and the operator is enabled to have the Stopper drawn through pipes as far as may be desired, and have each portion accurately tested.

Air, water, or smoke test may be applied by means of No. 2 Bag Stopper or Patent Screw Plugs. Connections are made so that air tube and cord may be connected either end of Stopper, and sufficient length of air tube must be allowed for length of drain.

By this Stopper leakages have been located within six inches of the actual leak in pipes.

These Bag Stoppers have the patent attachment for tubing, whereby the danger of a wire-tied joint cutting and rotting the tubing is obviated.

	4 in.	5 in.	6 in.	9 in.	12 in.
No. 3 ...	21/6	22/6	23/6	30/-	40/- each.

Air Tubing, best quality ... 6d. per foot run.

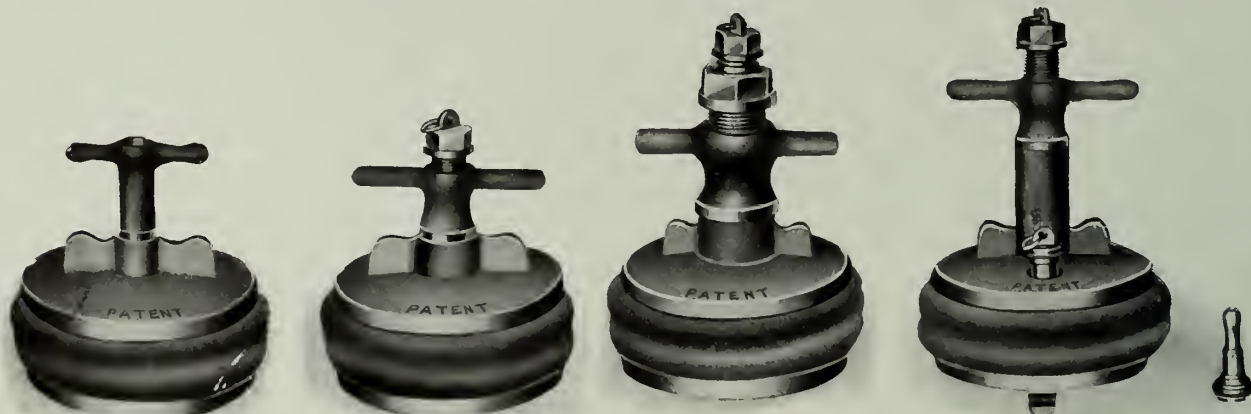
Air Pump, to inflate Bag Stoppers ... 6/6 each.

# PATENT SCREW EXPANDING DRAIN STOPPERS.

(FOR TESTING DRAINS WITH AIR, WATER, OR SMOKE).

Bronze Medal from the Sanitary Institute, and Eleven Gold Medals.

SUPPLIED TO H.M. GOVERNMENT (WAR DEPT.), HOME AND ABROAD, THE NEW SOUTH WALES GOVERNMENT, AUSTRALIA, THE COLONIES OF GREAT BRITAIN, THE GERMAN GOVERNMENT, THE BELGIAN GOVERNMENT, CORPORATIONS, TOWNSHIPS. AND DISTRICT COUNCILS THROUGHOUT THE UNITED KINGDOM AND ABROAD.



No. 1.  
Without  
Centre Outlet.

No. 2.  
With  
 $\frac{1}{2}$  in. Centre Outlet.

No. 3.  
With  
1 in. Centre Outlet.

No. 4.  
With  $\frac{1}{2}$  in. Centre  
Outlet, and Air Outlet.

This Stopper consists of two plates or discs of Galvanized Iron or Brass, between which a special moulded rubber ring is fixed by means of grooves in the plates. It is screwed up by a handle or key, which causes the rubber to expand outward to the extent of from 1 in. in the smaller sizes to 3 in. in the larger sizes. This will be found sufficient to plug any pipe according to size of Stopper used. This Patent Stopper has a wider range of expansion than any other Stopper, and it is impossible for the rubber ring to detach itself from plates when under pressure. (Over 100,000 in use).

## GALVANIZED IRON.

No.	Inches ...	4	5	6	7	8	9	10	12	15	18	21	24	27
1	Without Centre Outlet	6/-	7/6	9/-	—	—	—	—	—	—	—	—	—	—
2	With $\frac{1}{2}$ in. "	6/-	7/6	9/-	12/-	14/-	16/-	23/6	26/-	—	—	—	—	—
3	With 1 in. "	7/-	9/-	10/6	13/6	15/6	18/6	27/-	32/-	42/-	55/-	90/-	110/-	185/-

## BRASS.

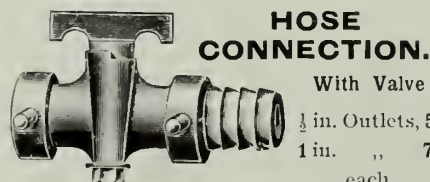
No.	Inches ...	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4	5	6	7	8	9	10	12
1	Without Centre Outlet	2/-	2/6	3/-	3/6	4/-	4/6	—	—	—	—	—	—	—	—	—
2	With $\frac{1}{2}$ in. "	—	—	—	3/6	4/-	4/6	6/-	8/-	9/6	12/-	15/-	17/-	19/-	32/-	35/-
3	" 1 in. "	—	—	—	—	—	—	—	9/-	11/-	13/6	16/6	18/6	20/6	34/-	37/6
4	" $\frac{1}{2}$ in. " and $\frac{3}{8}$ in. Air Outlet	—	—	—	—	—	—	—	10/-	11/6	14/6	17/-	19/-	21/-	35/-	38/-
5	With 1 in. Centre Outlet and $\frac{3}{8}$ in. Air Outlet	—	—	—	—	—	—	—	11/-	13/-	16/-	19/-	21/-	23/6	37/6	40/6

## ALUMINIUM.

No.	Inches ...	4	5	6	9	12
2	With $\frac{1}{2}$ in. Centre Outlet	—	—	—	—	—
3	" 1 in. "	—	—	—	—	—
4	" $\frac{1}{2}$ in. " and $\frac{3}{8}$ in. Air Outlet...	—	—	—	—	—

Names may be cast on Plates, or Brass Letters fixed at a small charge.

IN ORDERING STATE DISTINCTLY IF WANTED WITH OR WITHOUT CENTRE OUTLET.  
Centre Outlet sent unless otherwise specified.



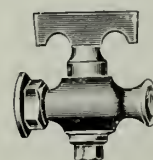
## HOSE CONNECTION.

With Valve  
 $\frac{1}{2}$  in. Outlets, 5/-  
1 in. " 7/6  
each.



## HOSE CONNECTION.

$\frac{1}{2}$  in. Outlets, 1/9  
1 in. " 2/6  
each.



## AIR VALVE.

For attaching to Air  
Outlet of No. 4  
Stoppers, 3/6 each.

# SCREW EXPANDING DRAIN STOPPER.

WITH RATCHET HANDLE.



**Screw Expanding<sup>1</sup> Drain Stoppers**, fitted with Ratchet Handle, are useful when Stoppers have to be used in confined spaces or when Testing Branch Drains with awkward Channels discharging into Inspection Chambers.

The **Ratchet Handle and Connection** is only supplied to Stoppers with  $\frac{1}{2}$ -in. Centre Outlet, at extra cost of 4/6 per Stopper.

## SQUARE GULLY SCREW EXPANDING STOPPERS.

A useful **Screw Expanding Stopper** for the plugging of Surface or other Gullies.



No. 1.



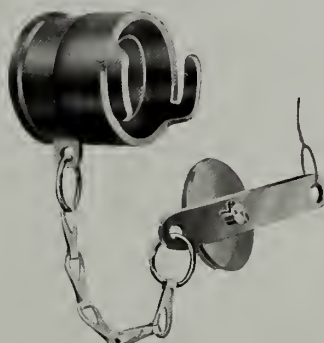
No. 2.

No. 1.				No. 2.		
To Fit Square Gully Tops, 4 × 4 in.				Top, 6 × 6 in.		Top, 9 × 9 in
No. 1.	With $\frac{1}{2}$ -in. Centre Outlet	...	...	12/6	15/-	27/6
No. 2.	„ $\frac{1}{2}$ -in. „	and Air Outlet	...	15/-	17/6	30/-

## RELEASING CAP FOR SCREW PLUGS. DRAIN MIRRORS.



CLOSED.



OPEN.

For  $\frac{1}{2}$ -in. or 1 in. Centre Outlet ... .. 3/6 each.



Fitted with Copper Back and Frame, and having Hinged Support at back for standing in drain.

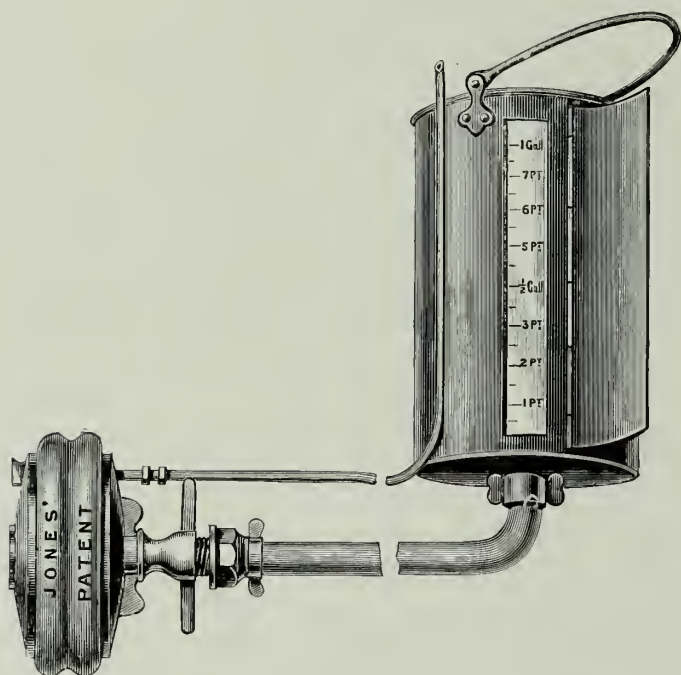
Price per pair, with Copper Case and Strap ... .. 6/9



# PATENT DRAIN TESTING APPLIANCES.

AWARDED CERTIFICATE OF MERIT FROM THE SANITARY INSTITUTE.

AS SUPPLIED TO H.M. GOVERNMENT (WAR DEPT.), H.M. OFFICE OF WORKS, CORPORATIONS, TOWNSHIPS, AND DISTRICT COUNCILS THROUGHOUT THE UNITED KINGDOM AND ABROAD.



This illustration shows a **Patent Screw Expanding Drain Stopper** with Centre and Air Outlets fitted with Rubber Tubing to Copper Cylinder.

This Copper Cylinder is useful for applying Hydraulic Test to Drains, and also for accurately gauging the extent of leakage.

The Cylinder is well made in Copper, and is used extensively by Borough Engineers and Surveyors and leading Sanitary Authorities.

**Copper Cylinder**, One Gallon, with Glass Gauge, Handle and Union on bottom for  $\frac{5}{8}$ -in. Tube ... 25/- each.

6 ft. length  $\frac{5}{8}$ -in. **Rubber Tubing**, with Union to attach to centre Outlet of Stopper ... 9/- „

6 ft. length  $\frac{3}{8}$ -in. **Rubber Tubing**, with Union to attach to Air Outlet ... 5/- „

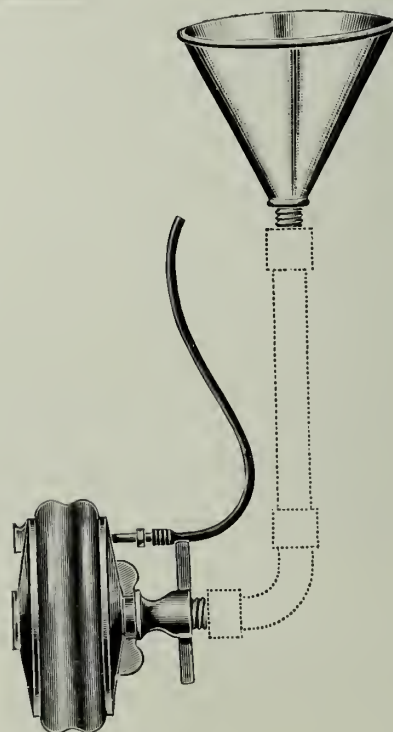
Extra  $\frac{5}{8}$ -in. **Rubber Tubing**, 1/- per foot.  
Do.  $\frac{3}{8}$ -in Do. 6d. „

A simple arrangement for applying Hydraulic Test to Drains:— **Funnel** is connected to Screw Expanding Drain Stopper with Wrought-iron Barrel or Rubber Tubing.

**Wrought-iron Funnel** ... 3/6 each.  
 $\frac{5}{8}$ -in. **Rubber Tubing** ... 1/- per ft.  
 $\frac{3}{8}$ -in. Do. for Air Outlet ... 6d. „

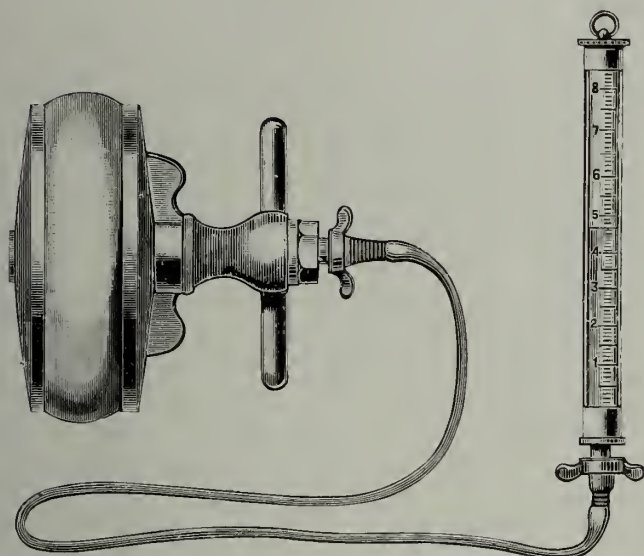
**Wrought-iron Barrel and Connections**, Standard Prices.

**PATENT EXPANDING SCREW DRAIN STOPPERS**,  
see page 133.



# INDICATOR FOR TESTING DRAINS WITH WATER.

BRONZE MEDAL FROM THE SANITARY INSTITUTE.



The accompanying illustration depicts the **Screw Expanding Drain Stopper** with Centre Outlet and with **Indicator** attached. By means of this Indicator the fall of a drain can be gauged, and leakage can also be detected. These are now fitted with the Patent Connectors.

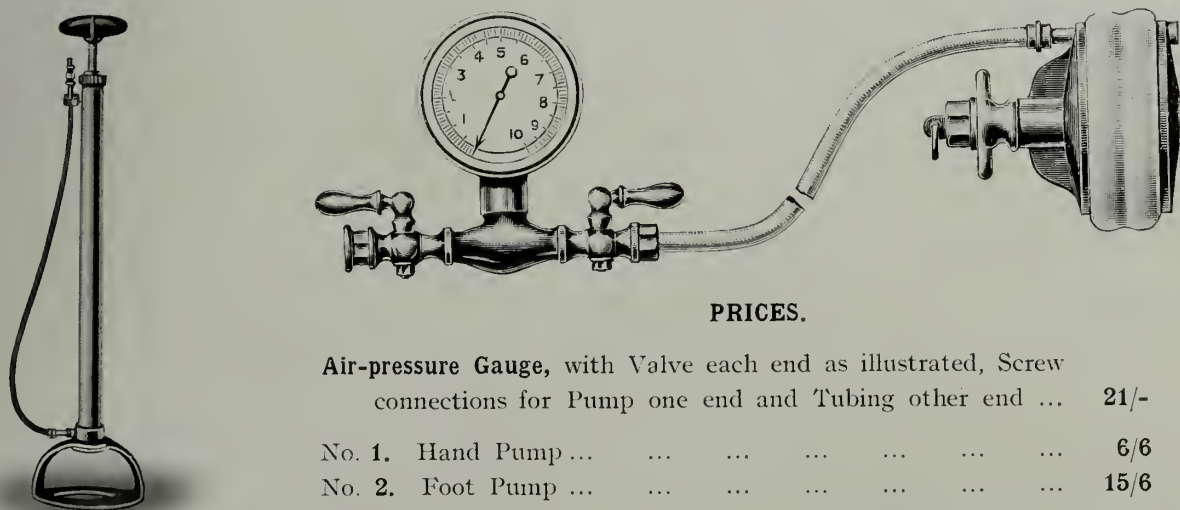
## PRICES.

Indicator, complete, with Tubing as shewn,  
12/- each.

Patent Expanding Screw Stoppers,  
see page 133.

# AIR PRESSURE GAUGE.

FOR APPLYING AIR TEST TO DRAINS, SOIL PIPES, &c.



## PRICES.

Air-pressure Gauge, with Valve each end as illustrated, Screw connections for Pump one end and Tubing other end ... 21/-

No. 1. Hand Pump ... .. 6/6

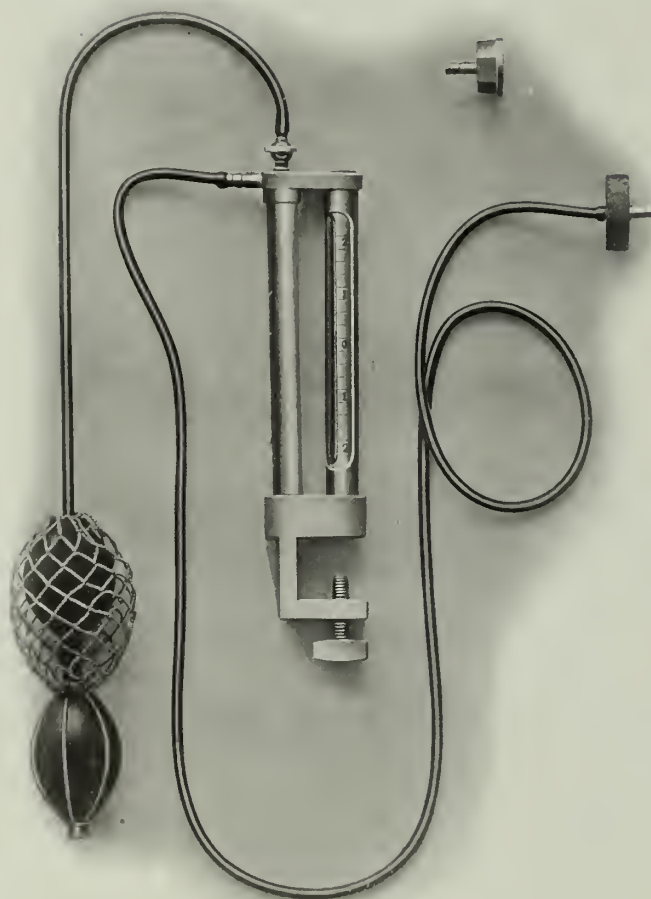
No. 2. Foot Pump ... .. 15/6

$\frac{3}{8}$  in. Tubing for attaching to Air-pressure Gauge 6d. per foot run.

Patent Expanding Screw Stoppers, see page 133.

No. 2. Foot Pump.

## "SIMPLEX" AIR-TEST GAUGE.



REGISTERED DESIGN NO. 462,042.

The "Simplex" Air-test Gauge is a simple and compact appliance for applying Air Test to Soil Pipes, etc., on Sanitary Works. For testing a Soil Pipe through a Pedestal Closet you proceed by sealing the pipe with the "Simplex" Disc Plugs or Patent Screw Plugs, after which you then attach the Gauge by means of the screw to Closet Seat or any convenient projection of equal thickness, as illustration. Float through the water seal of trap the Cork Float attached to Rubber Tube, and then fill Gauge with water to point "O." By gently working Hand Bellows sufficient air is pumped through the Gauge to allow water to rise two inches. Should there be the slightest air leakage the water in the Gauge will fall immediately, but should water level remain at two-inch mark, then pipes are airtight.

Should the water in the Gauge remain at point "O" after continually pumping with Hand Bellows, an extensive leak must exist.

It must be clearly noted that the plugs are securely fixed in the pipes, and where plugs are fixed in head of Soil Pipe they should be slightly covered with water.

A number of combinations for applying Air Tests to various Sanitary Works can be obtained with the complete "Simplex" Testing Gauge and Fittings.

### PRICES.

"Simplex" Testing Gauge Outfit, comprising Brass Gauge with Hand Air Bellows, 6 ft. of Rubber Tube with Cork Float, and also Brass Nozzles for attaching to Disc Plugs and Screw Plugs, with Polished Mahogany Case complete ... .. 15/-

## "DISC" PLUGS.

FOR PLUGGING VENT AND WASTE PIPES, &c., WHEN APPLYING AIR TEST.

"Disc" Plug, complete with Galvanized Handle—

Sizes ...	2	2½	3	3½	4	5	6 in.
	2/6	2/9	3/-	3/6	4/-	6/6	7/6 each.
Extra Rubber Discs	1/6	1/6	1/6	1/6	1/6	3/6	3/6 ..

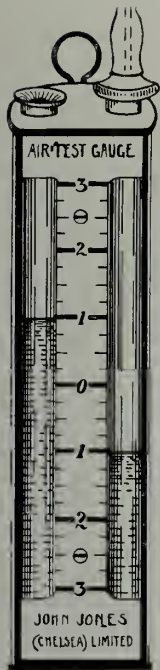
Brass Nozzle "C," for Rubber Tubing, 1/4 each.

Rubber Tubing, 6d. per foot.





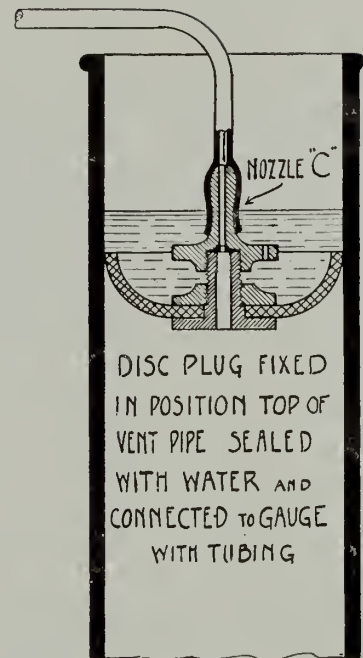
## "IDEAL" AIR-TEST GAUGE.



### PRICES.

<b>"Ideal" Air-test Gauge Outfit, comprising:</b>			
Two each	2 in., 3 in., 3½ in., and 4 in.		
Disc Plugs, with Handles, Nozzle "C,"	6 ft.		
Rubber Tubing and Air-test Gauge, complete	...	...	39/-
Polished Mahogany Case, to hold Outfit	each		7/6
"Ideal" Air-test Gauge, only	...	..	9/-
Rubber Tubing	...	foot run	6d.
Glass Mouthpiece...	...	each	9d.
Cork Float	...	..	1/9
Brass Nozzle "C"	...	..	1/4

For DISC PLUGS, see page 137.



## "BIJOU" POCKET AIR-TEST GAUGE.



GAUGE.

This little Gauge is a simple and useful Testing Appliance, measuring only 5 in. in length, 1½ in. wide, and ¾ in. thick; it is most convenient for the pocket. It is fitted with Celluloid Visible Scale, mounted on Brass and provided with Polished Brass Case having Brass Catch.

### PRICES.

<b>"Bijou" Pocket Air-test Gauge, only</b>			
each			7/6
Rubber Tubing	...	foot run	6d.
Glass Mouthpiece...	...	each	9d.
Cork Float	...	..	1/9
Brass Nozzle "C"	...	..	1/4

For DISC PLUGS, see page 137.



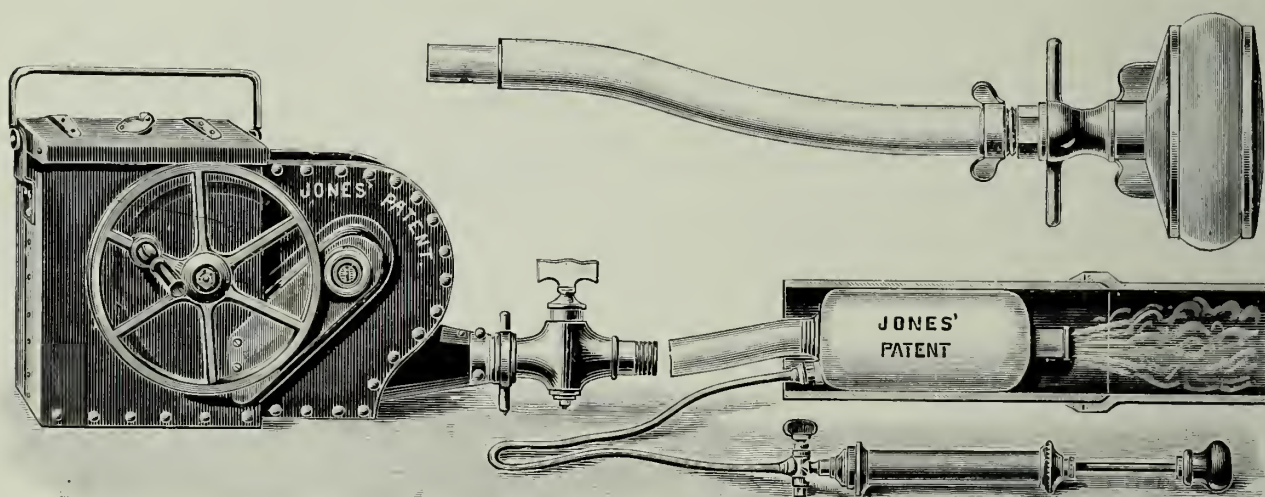
CASE.

**“PREMIER”  
ROTARY FAN-ACTION SMOKE GENERATING MACHINE.**

FOR TESTING DRAINS, SOIL PIPES, &c.

AWARDED BRONZE MEDAL FROM THE SANITARY INSTITUTE.

AS SUPPLIED TO H.M. GOVERNMENT (WAR DEPT.), CORPORATIONS, TOWNSHIPS, AND DISTRICT COUNCILS THROUGHOUT THE UNITED KINGDOM AND ABROAD.

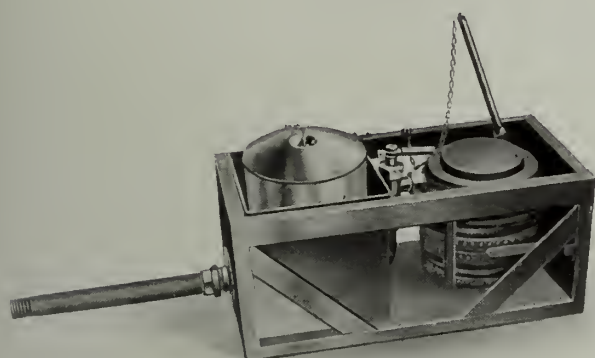


This **Smoke Machine** is simple in construction, not liable to get out of order, equal in generating power to many three times its size, light and convenient to carry about.

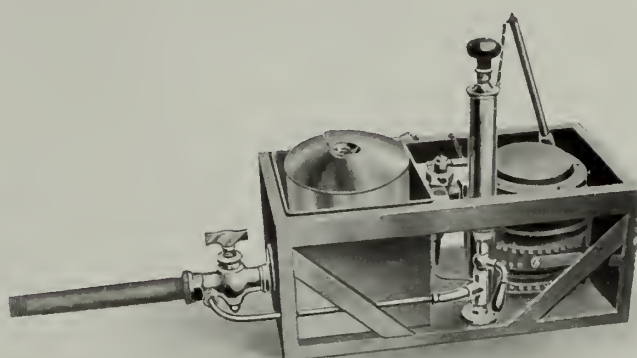
### PRICES.

<b>" Premier " Rotary Fan-action Smoke Generating Machine, fitted with Union</b>					
and two 18 in. lengths of Tube, with connecting pieces ... .. each					£4 10 0
<b>Wood Case, for machine</b> ... .. ,,					0 11 0
<b>Bag Stoppers and Air Pumps, see pages 131-132</b>					
<b>Galvanized Iron and Brass Patent Screw Stoppers, see pages 133-134</b>					
<b>Union and Nozzle Piece for connection between Screw Stoppers and Smoke Machine</b> ,,					0 2 6
<b>Extra lengths of Flexible Tubing</b> ... .. per foot					0 1 9
	7 lb.	14 lb.	28 lb.	56 lb.	1 cwt.
<b>Smoke Material (Cotton Waste)</b> ... .. 1/-	2/-	4 -	7/6	14/-	
<b>Carbolized Smoke Paper, to burn in Machine</b> ... 3/-	5/9	11/6	22/6	44/-	

# “EXCELSIOR” DOUBLE-ACTION BELLOWS SMOKE GENERATING MACHINE.



**No. 1 Pattern.**



**No. 2 Pattern,  
With High-pressure Attachment.**

It consists of a Double-action Bellows, covered with Specially Prepared Leather, and a Copper Cylinder, which, in applying the smoke test, is used as the fire-box. The Cylinder is surrounded by a square copper tank, which is filled with water so as to keep the fire-box as cool as possible. A deep copper cover or float is placed over the Cylinder, and, with the water, forms an air-tight joint. An India-rubber Tube, of special composition to withstand considerable heat, is connected to the outlet of the machine and the drain to be tested, both ends being made perfectly tight, and all openings, such as ventilation pipes, plugged. A flexible metallic tube may be used instead of an India-rubber tube.

The Float rises, unless the drain leaks badly, with the action of the Bellows, and indicates directly the condition of the drain. If it is tight the Float remains stationary ; if it leaks the Float falls at a rate in proportion to the extent of the leak. The machine will, of course, prove the drain by the air test without smoke, but should a leak exist smoke is applied to find it.

It has repeatedly happened that after the drains of a house have been tested (?) by smoke rockets, peppermint, &c., and pronounced perfect, this machine has been applied, with the result that very serious defects have been exposed.

The apparatus is invaluable to Plumbers, Builders, Inspectors of Nuisances, &c. It is largely used by the Royal Engineers both at home and foreign stations, and by many leading Sanitary Authorities throughout the kingdom and abroad.

## WHEN USING No. 2 PATTERN WITH HIGH-PRESSURE ATTACHMENT.

All traps and gullies, &c. must be plugged up, as the full pressure applied equals 10 lbs., which is greater than the seal of an ordinary trap.

It is very useful for detecting minute leaks in new work before it is covered up, and if the air test is employed it may be heard hissing through the leaks. Soapy water applied by means of a rag to the drain pipe or joints facilitates finding leaks, the escaping air forming soap bubbles at the leak.

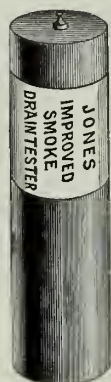
## PRICES.

					Standard Size.
“Excelsior” Double-action Bellows Smoke Generating Machine, with Wrought-iron Outlet, as shewn, No. 1 Pattern ... ..					£3 14 0
Flexible Rubber Tubing, 1½ in., dia. in 6 ft. lengths with prepared ends ... .. extra					0 10 6
Can also be supplied in shorter or longer lengths ... .. per foot					0 1 9
Flexible Metallic Tubing, with Special Couplings for connecting Screw Stoppers to machine ..					1 2 6
Guide Arrangement, for keeping Float Central ... .. extra					0 5 6
Strong Deal Painted Case, for Machine and Accessories ... ..					0 11 0
High-pressure Attachment, up to 10 lbs., as shewn, No. 2 Pattern ... .. extra					1 15 0
					7 lb.    14 lb.    28 lb.    56 lb.    1 cwt.
Smoke Material (Cotton Waste) ... ..					1/-    2/-    4/-    7/6    14/-
Carbolized Smoke Paper, to burn in Machine ... ..					3/-    5/9    11/6    22/6    44/-



# IMPROVED SMOKE AND SMELL DRAIN TESTS.

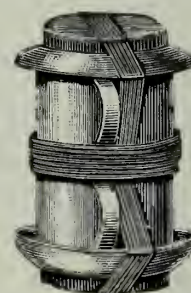
AS SUPPLIED TO H.M. GOVERNMENT (WAR DEPT.), CORPORATIONS, TOWNSHIPS, AND DISTRICT COUNCILS THROUGHOUT THE UNITED KINGDOM AND ABROAD.



No. 1.



No. 2.



ACTUAL SIZE.

No. 9.

No. 1. Improved Smoke Drain Test ... 8d. each. 6/6 per doz.

For use in Open Drains or Testing in sections with Improved Time Fuse. Size  $10\frac{1}{2}$  in. by  $1\frac{3}{4}$  in.

No. 2. Patent Smoke Test ... 10d. each, complete with Wire Handle.

This Test, being inextinguishable, is to be used in W.C. or Gully Trap without removing the water.

DIRECTIONS.—Flush the trap with water, ignite the match, and insert the smoke test by means of the handle through the water into the drain side of the trap (as shewn in the diagram). To find the outgo of the trap, a slight twisting movement of the handle is all that is necessary while inserting it, or beforehand by using the handle alone. Leave the test in about ten minutes before withdrawing it. By this means the drain is charged with a dense and pungent smoke, which will readily escape through and shew any defect in the drain. The handle is detachable.

## NOT TO BE USED OUT OF WATER.

The great advantage of this test is that it locates the defect, as the smoke can be seen issuing through the leak, and, unlike other smoke tests, can be used without removing the traps, W.C. pan, or water therein, and in cases where it is inconvenient or impossible to use the water test.

Large consumers will find the Brass Telescopic Handle, in place of the wire one, very convenient for compactness, durability, and cheapness; it will do for any number. Price 3/- each.

No. 9. Patent Smell Test ... 9d. each, or 7/6 per doz.

The No. 9 Smell Test is the smallest and most effective test, being attached to a string and washed through the trap of drain, and is then instantly in action. Directions enclosed with Test.

# DRAIN AND SEWER CLEARING APPLIANCES.

BEST MALACCA CANE RODS.

## "IDEAL" PATTERN LOCKING JOINT.



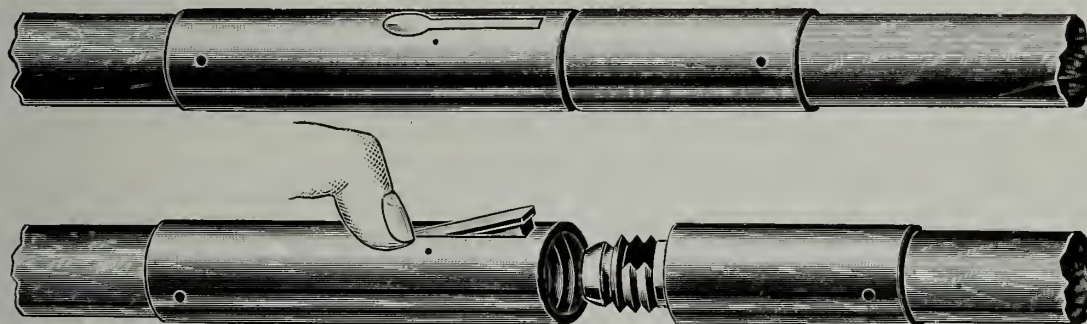
A simple and effective Locking Arrangement for Drain Rods. There are no projections at joint, and it is impossible for joint to become unfastened in pipe. Joint is securely made by turning the milled end of screw on male end of joint.

Best Selected Malacca Cane Rods, fitted with "Ideal" Pattern Brass Locking Joints.

Lengths	...	...	...	2 ft.	2 ft. 6 in.	3 ft.	4 ft.	5 ft.	6 ft.
Prices	...	...	...	2/9	2/9	2/9	3/-	3/-	3/9 per Rod.

"Ideal" Locking Joint, fitted to fittings as pages 143 and 144, extra 1/- each.

## "EXCELSIOR" PATTERN LOCKING JOINT.



An effective Self-locking Joint with Spring Catch. Can only be unscrewed by releasing Spring Catch.

Best Selected Malacca Cane Rods, fitted with "Excelsior" Pattern Brass Self-Locking Joints.

Lengths	...	...	...	2 ft.	2 ft. 6 in.	3 ft.	4 ft.	5 ft.	6 ft.
Prices	...	...	...	3/-	3/-	3/-	3/6	3/6	4/3 per Rod.

"Excelsior" Locking Joint, fitted to fittings as pages 143 and 144, extra 1/3 each.

## ORDINARY PATTERN.



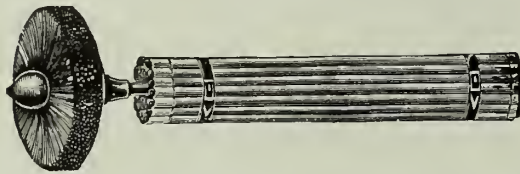
Best Selected Malacca Cane Rods, fitted with Brass Interchangeable Screws, firmly fixed and brass rivetted, complete with Straps.

Lengths	...	...	...	2 ft.	2 ft. 6 in.	3 ft.	4 ft.	5 ft.	6 ft.
Prices	...	...	...	1/6	1/6	1/6	2/-	2/-	2/9 per Rod.

Fittings as pages 143 and 144.

# THE "MUNICIPAL" SET DRAIN CLEARING APPLIANCES.

AS SUPPLIED TO H.M. GOVERNMENT (WAR DEPT.), CORPORATIONS, TOWNSHIPS, AND DISTRICT COUNCILS THROUGHOUT THE UNITED KINGDOM AND ABROAD.



Set 30 ft. long (3 ft. Rods) ...	£1 13 0
„ 60 ft. „ „ ...	2 8 0
„ 90 ft. „ „ ...	3 3 0

Cut from the best quality Malacca Canes, made up in 3 ft. lengths, and includes 6 in. Whalebone Head, 4 in. Jointed Scraper, 4 in. and 6 in. Rubber Plungers, Brass Clearing Wheel, Double Spiral Screw, all Brass Rivetted and Brass Screws, complete with stout pair Straps.

Set 120 ft. long (3 ft. Rods) ...	£3 18 0
„ 150 ft. „ „ ...	4 13 0

## BEST WHALEBONE HEADS.

With Brass Wheel Cup and Screw.



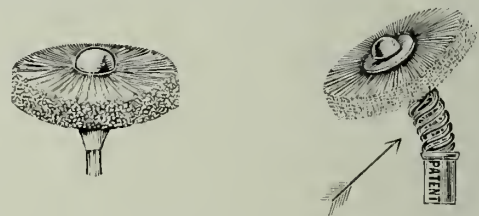
4 in.	6 in.	9 in.	12 in.	15 in.	18 in. dia
8/-	8/-	8/-	10/6	12/3	14/-

Can be refilled with Whalebone. Prices according to size.

With Spring Attachment, add 3/6 each.

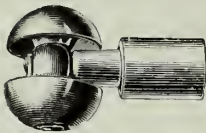
## BRUSH HEADS.

Mounted in Wood, with Brass Screw to fit Canes.



	4 in.	6 in.	9 in.	12 in.	18 in. dia.
Bass Weed	3/-	3/-	3/6	3/9	4/-
Whalebone	4/-	4/-	6/6	—	—

With Spring Attachment, add 3/6 each.



## DUPLEX CLEARING ROLLER.

Made entirely of Brass to avoid corrosion; prevents the ends of the Canes catching in the joints or angles of the pipes.

2 in. diameter	...	...	...	...	...	...	...	...	4/-
----------------	-----	-----	-----	-----	-----	-----	-----	-----	-----

## PLUNGER.



With Brass Cup and Screw, and Leather or Rubber Plunger.

4 in.	...	3/-	6 in.	...	3/6
-------	-----	-----	-------	-----	-----

## ARCHIMEDEAN SCREW.



For clearing Soil Pipes, Choked Drains, etc.

Price: Brass, 3/6; Iron, 2/-.



## DROP SCRAPER.

Made with either the round or the flat side down.

4 in.	...	2/9.	6 in.	...	3/6.
-------	-----	------	-------	-----	------

## DOUBLE SPIRAL SCREW.



For clearing Pipes choked with rag, paper, etc.

Price ... .. 2/6

## CLOSET BRUSH.



For cleaning Traps and Water Closets.

Price ... .. 3/-

## FLEXIBLE CANES.



Made from a number of Canes twisted together, producing a rod of great strength, and sufficiently pliable to use in the most crooked drains, 3 ft., 3/3; 4 ft., 3/9.

## GULLY LADLE.



Useful for clearing open Gullies, etc.

Price ... .. 1/6

All Rods and Appliances are fitted with Interchangeable Screws and Brass Rivetted Ferrules.



# SEWER CLEARING AND CLEANSING APPLIANCES.

AS SUPPLIED TO H.M. GOVERNMENT (WAR DEPT.), CORPORATIONS, TOWNSHIPS, AND DISTRICT COUNCILS THROUGHOUT THE UNITED KINGDOM AND ABROAD.



Cut from Best Heavy Malacca Canes. Complete, with Straps.

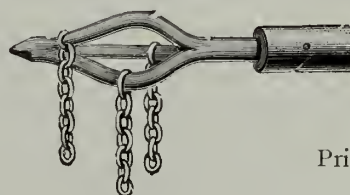
				Lengths	...	2 ft.	2 ft. 6 in.	3 ft.	4 ft.	5 ft.	6 ft.	
Price	...	...	...	..		1 9	1 9	1 9	2 3	2 3	3/-	per rod.

## DOUBLE SEWAGE SLUDGE SCRAPER.



Sizes	...	6 in.		9 in.		12 in.
		15/-	...	21/6	...	25/-

## SEWAGE SLUDGE DISTURBER.



Price 8/6.

## CROW'S TOE OR GRAPPLING HOOK.

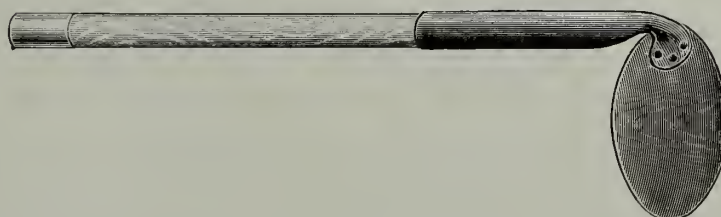


With Wheel for running along invert of sewer. Price 8/6.



Without Wheel. Price 5/6.

## HEAVY ASH SEWER RODS AND FITTINGS.



Heavy Ash Sewer Rods, made in various lengths, Scoops, Hoes, Scrapers, Spiral Screws, &c.  
Prices on application.

# LIGHT PATTERN CANE RODS.

AS SUPPLIED TO H.M. GOVERNMENT (WAR DEPT.), CORPORATIONS, TOWNSHIPS, AND DISTRICT COUNCILS THROUGHOUT THE UNITED KINGDOM AND ABROAD.



Cut from Best Quality Sarawak Cane.

Brass Mounted and Rivetted.

Canes in	6 ft. lengths	...	...	...	...	2/3	per Rod.
"	5 ft.	"	...	...	...	2/1 $\frac{1}{2}$	"
"	4 ft.	"	...	...	...	2/-	"

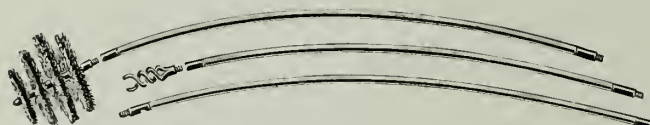
## SPIRAL BRUSH (Best Whalebone). PLUNGER. SPIRAL SCREW. FIXED SCRAPER.



3 in.	4 in.	5 in.	6 in.	2 in.	3 in.	4 in.	1 in. diameter.	2 in. diameter.
3/6	3/6	3/6	4/-	2/6	3/-	3/-	2/6	3/-

## THE "HOUSEHOLD" MACHINE.

For clearing W.C. or Sink Waste Pipes, and for sweeping small Flues or Stove Pipes.

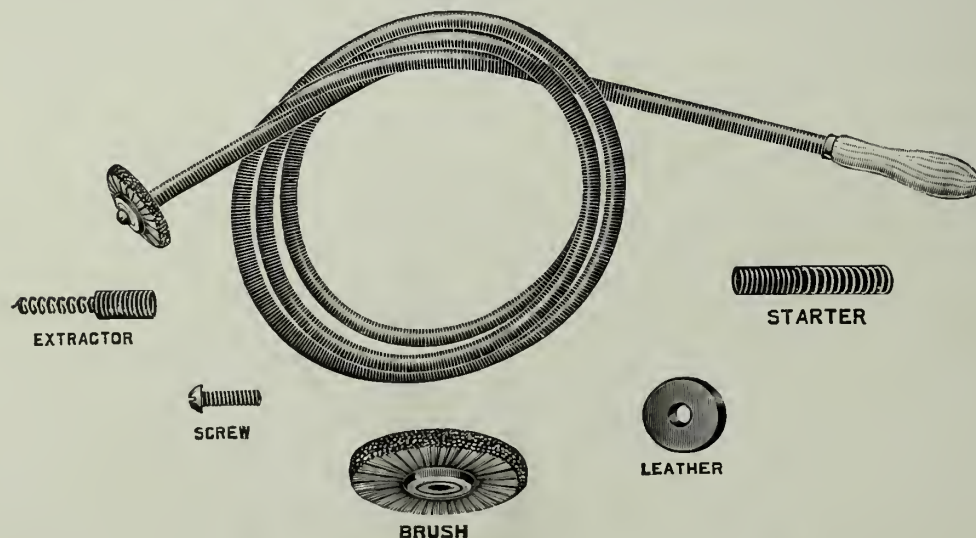


Comprising three 6 ft. lengths (18 ft.) best Sarawak Cane Rods with Brass Screws, Whalebone or Steel 4 in. or 6 in. Brush, Double Spiral Screw for choked pipes, 1 in. diameter, and Straps complete.

A useful article in every house. Small flues can be easily swept, or a choked waste pipe cleared without delay

Price ... 12/- per set.

## THE "AVECTA" DRAIN PIPE CLEANSER.



A handy tool for clearing Choked Sink Wastes and W.C.'s.  
Comprising Flexible Spring, with Handle, Brush, Screw, Plunger, Starter, and Extractor ... 6/- per set.

# THE "FERRET"

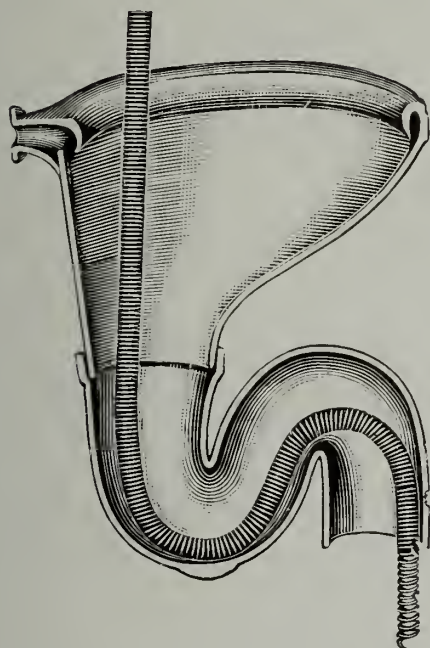
## PATENT SPRING DRAIN CLEANER.



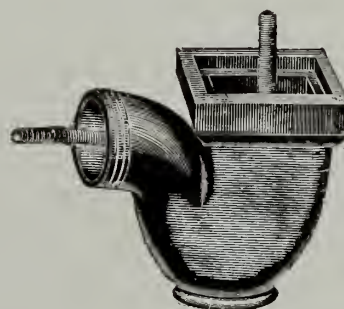
Handle to screw into Cleaner.



"Ferret" Spring Cleaner.



Section of W.C. Pan and Trap, with Cleaner passing through.



Cleaner passing through Gully Trap.

The "**Ferret**" Drain Cleaner is formed of the finest Steel Wire, closely coiled to transmit the thrust of the handle throughout the whole length.

It is so flexible that, as will be seen from the illustration, the Cleaner may be passed through such abrupt bends as occur in a Gully or W.C. Trap—an impossibility with ordinary cane rods.

Any number of lengths may be added as required and, owing to its spiral formation, the "**Ferret**" can be twisted and turned to right or left in the drain; whereby the screw point can get a grip and remove an obstruction.

Obstructions can usually be removed by applying the Cleaner at a Gully, W.C., or any other inlet, thus obviating the frequent necessity of opening up the ground and breaking into a drain.

The "**Ferret**" may be applied, with advantage, to ordinary cane rods, and an Adapter Joint is supplied with each set for this purpose.

### PRICES.

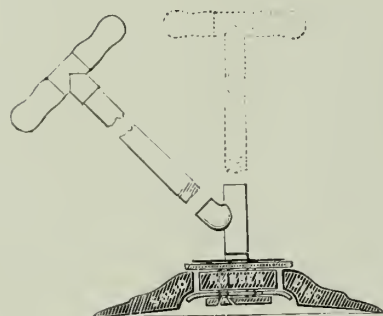
**Per Set, 6 ft. long** (in two 3 ft. lengths), comprising Handle, Adapter Joint for Cane Rods, and Tool for unscrewing the Joints, without which the Joints cannot be undone under any circumstances, 15/- each.

**Extra 3 ft. Jointed Lengths, 6/- each.**

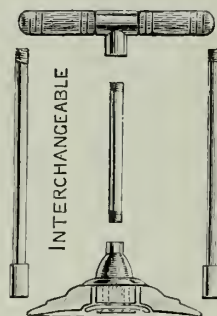


# SUCTION AND VACUUM PUMP.

RECEIVED AWARDS AT HEALTH EXHIBITION (SANITARY INSTITUTE), NEWCASTLE, 1895 ;  
HEALTH EXHIBITION, MANCHESTER, 1895 ; INDUSTRIAL EXHIBITION, MIDDLESBROUGH, 1895 ;  
HEALTH EXHIBITION, HUDDERSFIELD, 1895 ; INDUSTRIAL EXHIBITION,  
WOLVERHAMPTON, 1896 ; TRADES AND INDUSTRIAL EXHIBITION, LEICESTER, 1896.



No. 1. 12 in. size.  
No. 2. 9 in. size.



No. 3.



No. 4.



No. 5.

This is a special sanitary appliance for removing obstructions in Closet Traps, Drains, Soil Pipes, Baths, Sinks, Stack Pipes, etc., and no Household, Office (Commercial or Government), Workhouse, Factory, Barracks, Stables, Laundry or Public Institution should be without it.

It is not a heavy or intricate machine, though of wondrous power, and any person of ordinary intelligence can by the use of it remove the most obstinate obstruction.

It is not an expensive article, as the prices bring it within the reach of all, and it will last for years.

Nos. 1 and 2 illustrate the 9 in. and 12 in. Pumps ; these have a handle for two positions, so that if an obstruction be in branch drain of gully it is only necessary to unscrew the Pump from straight junction and screw it to the angle, and by working Pump on branch inlet the obstruction can be cleared. Under these same instructions the Pump will clear obstructions from branches leading into an Inspection Chamber.

No. 2 is specially recommended for use on 4 in. and 6 in. gullies, and also 4 in. and 6 in. drain pipes.

No. 3 illustrates ordinary size Pump with connections for lengthening or shortening as may be required by the user.

No. 4 illustrates ordinary size Pump with long wood handle.

No. 5 illustrates ordinary size Pump with short wood handle.

It must be specially noticed that you seal vent pipes before starting the Pump to clear any obstruction in the soil pipe or trap. In the case of wash-hand basins the overflow must always be sealed before starting, as you would pump without result if this is not done.

This appliance is strongly recommended for cleansing pipes of obnoxious smells by the sudden flushing of drains that come under the diameter of the Pump.

## PRICES.

No. 1.	No. 2	No. 3.	No. 4.	No. 5.
12 in. size.	9 in. size.	Ordinary size with Interchangeable Handle.	Ordinary size with Long Handle.	Ordinary size with Short Handle.
25/-	15/-	7/9	5/-	5/-

# RUBBER-LINED CANVAS GARMENTS.



No. 1.



No. 3.

The Garments are recommended for Engineers, Surveyors, and Inspectors to wear when having to inspect Sewage Works, &c.

They are very strongly made of the best materials.

## PRICES.

No. 1	Garment, as illustrated, complete	...	...	...	150/-
No. 2	Do. (without Hood)	...	...	...	135/-
No. 3	Wading Trousers, as illustrated	...	...	...	60/-

## SEWER BOOTS.

These are well made, cut from specially dressed hides and guaranteed perfectly water-tight. Made in numerous sizes. Prices on application.

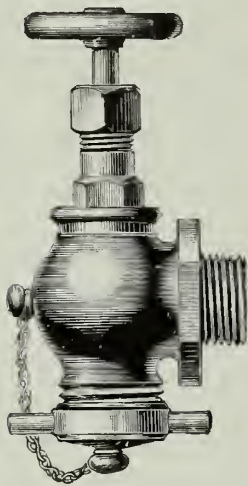
INDIA-RUBBER BOOTS of every description.

SEWER BOOT STOCKINGS.

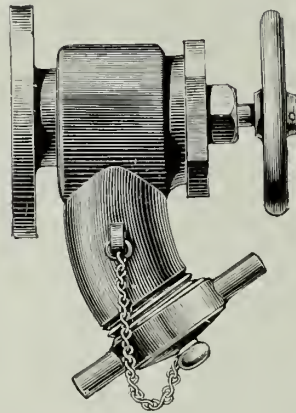
SERGE COATS AND SOU'-WESTERS.



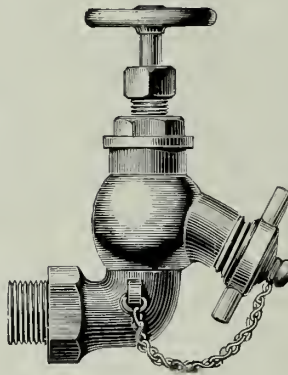
# GUN-METAL SEWER AND WATER FLUSHING FITTINGS.



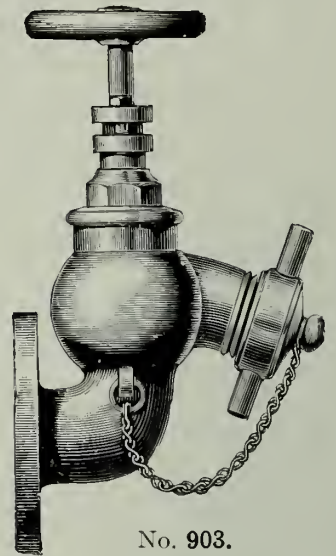
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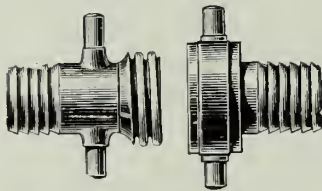
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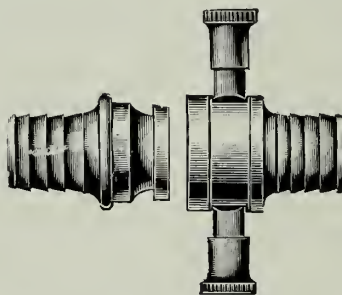
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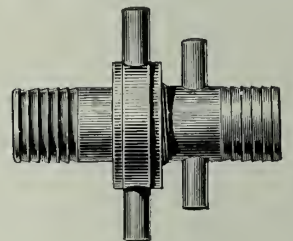
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No. 904.



No. 905.



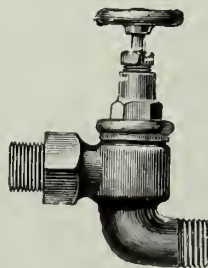
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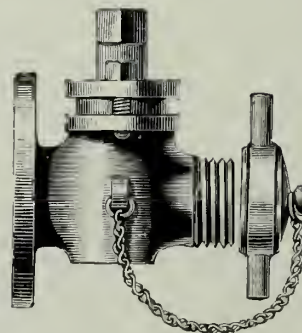
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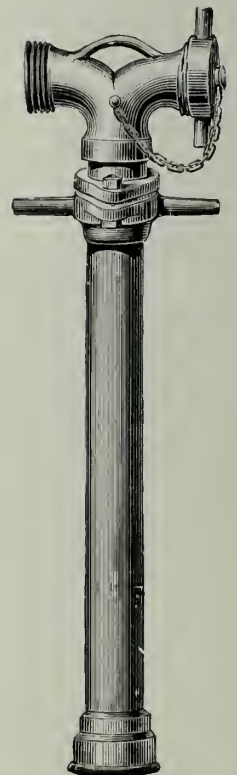
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No. 908.



No. 909.



No. 911.

PRICES ON APPLICATION.

Estimates given for Hose and Fittings Complete.



HIGH-CLASS BATHS.  
SPRAY AND SHOWER BATHS.  
BATHROOM AND LAVATORY FITTINGS.  
FOLDING CABINET LAVATORIES.  
MARBLE AND SLATE LAVATORIES.  
WHITE PORCELAIN ENAMELLED LAVATORIES.  
PEDESTAL AND BRACKET LAVATORIES.  
HOSPITAL LAVATORIES.  
IMPROVED BED-PAN AND SLOP SINKS.  
HOSPITAL AND LABORATORY FITTINGS.  
PORCELAIN ENAMELLED SINKS AND FITTINGS.  
PORCELAIN ENAMELLED FIRECLAY AND SLATE URINALS.  
LATRINES AND WATER CLOSETS.  
WATER CLOSET FITTINGS, CLOSET SEATS.  
WATER WASTE PREVENTERS, PLUMBERS' BRASS WORK.  
LEAD PIPE, TANKS AND CISTERNS.

# **"PREMIER"** **CANOPY BATH.**

WITH GLASS SCREEN



## Inside Sizes:

Length.	Width.	Depth.
5 ft. 6 in.	2 ft. 1 in.	1 ft. 9 in.

## Outside Sizes:

Length.	Width.	Depth off Floor.
6 ft. 2 in.	2 ft. 9 in.	7 ft. 6½ in.

**"Premier" Parallel Bath, 5 ft. 6 in. inside, 4 in. round Roll, Polished Plate-glass Screen, as illustrated; 1 in. Hot and Cold Fittings on Roll for Plunge, Spray, and Shower; ½ in. Inside Spray Tubes, 2 in. Combined Standing Waste and Overflow at side of Bath, with 2 in. Trap above floor level. Bath best White Porcelain Enamelled inside, and plain painted White outside. All Fittings Nickel-plated** ... .. **£58 17 9**

**Do., 6 ft. 1 in. inside, do.** ... .. **59 15 9**

Extra for Outside Decoration in White and Gold Lines ... **£2 0 0**

„ Reinforced Plate-glass Screen ... **6 0 0**

Deduct for Cast Wired Glass Screen ... **3 5 0**

„ Cast Glass Screen ... **4 5 0**

# **"COBURG"** **CANOPY BATH.**

WITH GLASS SCREEN.



## Inside Sizes:

Length.	Width.	Depth.
5 ft. 6 in.	2 ft. 1 in.	1 ft. 9 in.

## Outside Sizes:

Length.	Width.	Depth off Floor.
6 ft. 2 in.	2 ft. 9 in.	7 ft. 6½ in.

**"Coburg" Parallel Bath, 5 ft. 6 in. inside, 4 in. round Roll, Polished Plate-glass Screen, as illustrated; 1 in. Hot and Cold Combined Fittings on Screen for Plunge, Spray, and Shower; Combined Standing Waste and Overflow at side of Bath. Bath best White Porcelain Enamelled inside, and plain painted White outside. All Fittings Nickel-plated** ... .. **£50 7 6**

**Do., 6 ft. 1 in. inside, do.** ... .. **51 7 6**

Extras, &c., as page 151.



# "ARUNDEL" CANOPY BATH.

WITH PLATE-ZINC SCREEN.



## Inside Sizes :

Length.	Width.	Depth.
5 ft. 6 in	2 ft. 0 in.	1 ft. 9 in.

## Outside Sizes :

Length.	Width.	Depth off Floor.
6 ft. 2½ in.	2 ft. 7½ in.	7 ft. 3 in.

**"Arundel" Parallel Bath, 5 ft. 6 in. inside, 4 in. Roll Edge, best White Porcelain Enamelled inside, and Japanned outside, with Plate-zinc Metallic Enamelled Spray Screen; 1 in. Hot and Cold Combined Fittings to Plunge, Spray, and Shower; Brass Spray Tubes standing out clear of Screen (which permits of easy cleaning); 2 in. Combined Standing Waste and Overflow in recess formed at end of Bath. All Fittings Nickel-plated** ... .. **£29 18 0**

**Do., 6 ft. 0 in. inside, do.** ... .. **30 13 3**

Extra for Gold Lines Outside ... 11/6

**"BLENHEIM"**  
**CANOPY BATH.**  
 WITH  
 PLATE-ZINC SCREEN.



*Mixing Box  
 at back of Screen*

Inside Sizes :

Length.	Width.	Depth.
5 ft. 6 in.	1 ft. 11 in.	1 ft. 5½ in.

Outside Sizes :

Length.	Width.	Depth off Floor.
6 ft. 0 in.	2 ft. 5 in.	7 ft. 5 in.

**"Blenheim" Parallel Bath**, 5 ft. 6 in. inside, 3 in. Roll Edge, best White Porcelain Enamelled inside, and Japanned outside, with Plate-zinc Japanned Spray Screen; ¾-in. Hot and Cold Globe pattern Valves to Bath, and ¾-in. Hot and Cold Valves, and Galvanized Supply Pipes to Shower, as illustrated. Shower Rose of Zinc, Brass Overflow and Waste, Plug and Chain with Union. All Brass-work Nickel-plated ... .. £22 15 3

Extra for Galvanized Cast-iron Mixing Box to Shower ... .. 15/3  
 „ Shower Rose Nickel-plated ... .. 7/9

# THE "ALEXANDRA" ENAMELLED CAST-IRON BATH.

EQUAL ENDED WITH INDEPENDENT FITTINGS.



## Inside Sizes :

Length.	Width.	Depth.
5 ft. 6 in.	1 ft. 10 in.	1 ft. 6½ in.

## Outside Sizes :

Length.	Width.	Depth off Floor
6 ft. 0 in.	2 ft. 4 in.	2 ft. 0½ in.

**"Alexandra" Parallel Bath**, best White Porcelain Enamelled inside, Plain Painted outside, equal ended, with 3 in. Roll and Loose Base ; 1 in. Valves, Combined Standing Waste and Overflow, with Trap below floor ; Steamless Inlet and 1 in. Supply Pipes to floor, with Floor Plates. All Fittings Nickel-plated ... .. £20 3 9



# THE "MARLBOROUGH" ENAMELLED CAST-IRON BATH.



Inside Sizes :

Length.	Width.	Depth.
5 ft. 6 in.	1 ft. 11½ in.	1 ft. 7½ in.

Outside Sizes :

Length.	Width.	Depth off Floor.
6 ft. 1½ in.	2 ft. 6 in.	2 ft. 1½ in.

**"Marlborough" Parallel Bath**, best White Porcelain Enamelled inside, Plain Painted outside, 3¼ in. Roll, with Soap Tray cast on ; Complete with 1 in. Gun-metal Hot and Cold Pillar Valves. Enamelled Standing Waste and 2 in. Glass Enamelled Trap above floor ... .. **£12 0 0**

Extra for Nickel-plated Valves ... .. 7/6

„ Nickel-plated Standing Waste ... .. 15/-

Can be supplied with Rod Waste and separate Overflow, extra 6/-

## THE "WELLESLEY" ENAMELLED CAST-IRON BATH.



The "Wellesley," best White Porcelain Enamelled inside and Plain Painted outside, Bath and Soap Tray cast in one piece,  $3\frac{1}{4}$  in. round Roll Edge, Gun-metal,  $\frac{3}{4}$ -in. Hot and Cold Pillar Valves, Special Removable Exposed Cast-iron Enamelled Plunger, and with 2 in. Glass Enamelled Trap above Floor.

		Inside Sizes :			PRICES.	Outside Sizes :			
		Length.	Width.	Depth.		Length.	Width.	Depth off Floor.	
Parallel Pattern	...	5 ft. 6 in.	1 ft. 10 $\frac{1}{2}$ in.	1 ft. 6 $\frac{1}{2}$ in.		6 ft. 4 $\frac{1}{2}$ in.	2 ft. 5 in.	1 ft. 11 $\frac{1}{2}$ in.	£9 11 0
Taper	...	5 ft. 6 in.	2 ft. 0 $\frac{1}{2}$ in.	1 ft. 6 $\frac{1}{2}$ in.		6 ft. 4 in.	2 ft. 7 in.	1 ft. 11 $\frac{3}{4}$ in.	9 6 8

## THE "ADELAIDE" ENAMELLED CAST-IRON BATH.



The "Adelaide," best White Porcelain Enamelled inside and Plain Painted outside Bath with extended ends and Soap Tray cast on,  $3\frac{1}{4}$  in. round Roll Edge, Gun-metal  $\frac{3}{4}$ -in. Hot and Cold Pillar Valves,  $1\frac{1}{2}$  in. Gun-metal Overflow, and 2 in. Waste Plug and Chain with Union.

		Inside Sizes :			PRICES.	Outside Sizes :			
		Length.	Width.	Depth.		Length.	Width.	Depth off Floor.	
Parallel Pattern	...	5 ft. 6 in.	2 ft. 0 in.	1 ft. 5 in.		6 ft. 2 $\frac{1}{2}$ in.	2 ft. 6 $\frac{1}{2}$ in.	1 ft. 10 in.	£8 4 0
Do. do.	...	6 ft. 0 in.	2 ft. 0 in.	1 ft. 5 in.		6 ft. 8 $\frac{1}{2}$ in.	2 ft. 6 $\frac{1}{2}$ in.	1 ft. 10 in.	9 3 9
Taper do.	...	5 ft. 6 in.	2 ft. 1 $\frac{1}{2}$ in.	1 ft. 5 $\frac{1}{2}$ in.		6 ft. 2 $\frac{1}{2}$ in.	2 ft. 8 in.	1 ft. 10 $\frac{1}{2}$ in.	7 19 0
Extra for 2 in. Glass Enamelled Cast-iron Trap, 8, 9.						Extra for 1 in. Hot and Cold Pillar Valves, 10/- per pair.			

## THE "SLOANE" ENAMELLED CAST-IRON BATH.



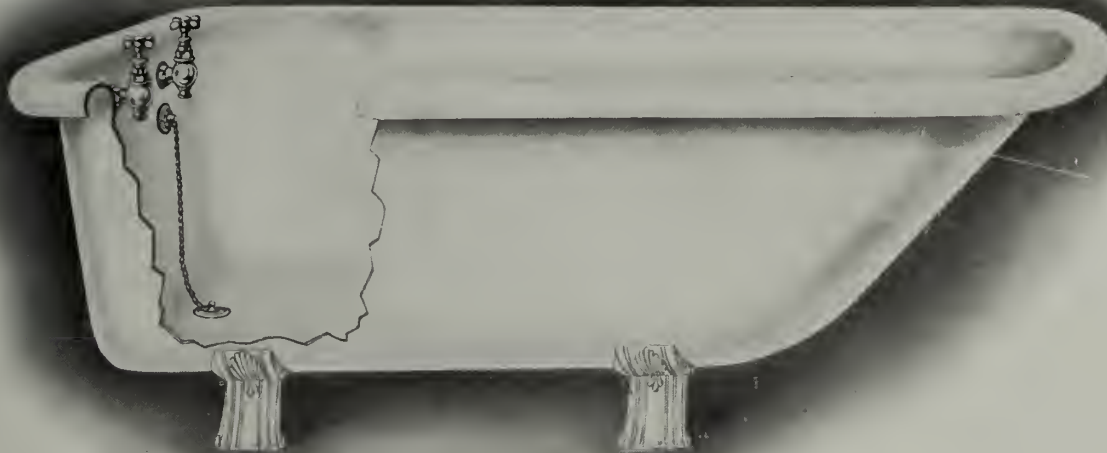
The "Sloane," best White Porcelain Enamelled inside, and Plain Painted outside Bath with 3 in. Round Roll Edge, Gun-metal  $\frac{3}{4}$ -in. Hot and Cold Pillar Valve,  $1\frac{1}{2}$  in. Gun-metal Overflow and 2 in. Waste Plug and Chain, with Union.

Inside Sizes :				Outside Sizes :			
	Length.	Width.	Depth.	Length.	Width.	Depth off Floor.	
Parallel Pattern ... ..	5 ft. 0 in.	1 ft. 10 in.	1 ft. $5\frac{1}{2}$ in.	5 ft. 6 in.	2 ft. 4 in.	1 ft. $10\frac{1}{2}$ in.	£6 17 3
Do. do. ... ..	5 ft. 6 in.	1 ft. 10 in.	1 ft. $5\frac{1}{2}$ in.	6 ft. 0 in.	2 ft. 4 in.	1 ft. $10\frac{1}{2}$ in.	£7 1 9
Do. do. ... ..	6 ft. 0 in.	1 ft. 10 in.	1 ft. $5\frac{1}{2}$ in.	6 ft. 6 in.	2 ft. 4 in.	1 ft. $10\frac{1}{2}$ in.	£7 19 3
Taper Pattern ... ..	5 ft. 0 in.	1 ft. 11 in.	1 ft. $5\frac{1}{2}$ in.	5 ft. 6 in.	2 ft. 5 in.	1 ft. $10\frac{1}{2}$ in.	£6 13 9
Do. do. ... ..	5 ft. 6 in.	1 ft. 11 in.	1 ft. $5\frac{1}{2}$ in.	6 ft. 0 in.	2 ft. 5 in.	1 ft. $10\frac{1}{2}$ in.	£6 14 3

Extra for Porcelain Enamelled Soap Tray, 7/3 each.

Extra for 1 in. Hot and Cold Pillar Valves, 10/- per pair.

## THE "CARLYLE" ENAMELLED CAST-IRON BATH.



The "Carlyle," best White Porcelain Enamelled inside, and Plain Painted outside Bath with 3 in. Round Roll Edge, Gun-metal  $\frac{3}{4}$ -in. Hot and Cold Globe Valves,  $1\frac{1}{2}$  in. Gun-metal Overflow, and 2 in. Waste Plug and Chain, with Union.

Inside Sizes :				Outside Sizes :			
	Length.	Width.	Depth.	Length.	Width.	Depth off Floor.	
Parallel Pattern ... ..	5 ft. 0 in.	1 ft. 10 in.	1 ft. $5\frac{1}{2}$ in.	5 ft. 6 in.	2 ft. 4 in.	1 ft. $10\frac{1}{2}$ in.	£6 15 9
Do. do. ... ..	5 ft. 6 in.	1 ft. 10 in.	1 ft. $5\frac{1}{2}$ in.	6 ft. 0 in.	2 ft. 4 in.	1 ft. $10\frac{1}{2}$ in.	7 0 3
Do. do. ... ..	6 ft. 0 in.	1 ft. 10 in.	1 ft. $5\frac{1}{2}$ in.	6 ft. 6 in.	2 ft. 4 in.	1 ft. $10\frac{1}{2}$ in.	7 17 9
Taper Pattern ... ..	5 ft. 0 in.	1 ft. 11 in.	1 ft. $5\frac{1}{2}$ in.	5 ft. 6 in.	2 ft. 5 in.	1 ft. $10\frac{1}{2}$ in.	6 12 3
Do. do. ... ..	5 ft. 6 in.	1 ft. 11 in.	1 ft. $5\frac{1}{2}$ in.	6 ft. 0 in.	2 ft. 5 in.	1 ft. $10\frac{1}{2}$ in.	6 12 9



# THE "CHELSEA" BATH.

TAPER PATTERN WITH 2½ in. ROLL RIM.

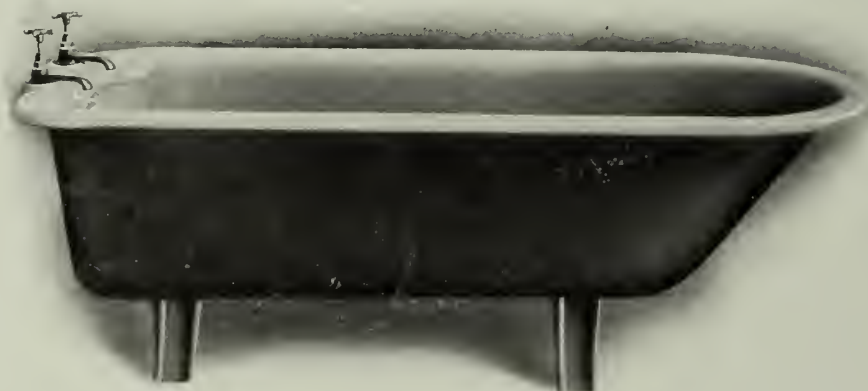


Length Inside	...	...	...	...	...	...	...	...	5 ft. 0 in.	...	5 ft. 6 in.
Width Overall at Shoulder	...	...	...	...	...	...	...	...	28½ in.	...	28½ in.
Do. do. Foot	...	...	...	...	...	...	...	...	23½ in.	...	23 in.
Depth Inside	...	...	...	...	...	...	...	...	18 in.	...	18½ in.
Height Overall	...	...	...	...	...	...	...	...	22 in.	...	22 in.

Best White Porcelain Enamelled inside and Plain Painted outside, Porcelain Enamelled Soap Tray, Gun-metal ¾-in. Hot and Cold Pillar Valves, Plug, Chain and Waste Outlet, with 1½ in. Bent Union, 1½ in. Overflow, with Grating and Union										£6 15 3	...	£6 19 6
Extra for 1½ in. Brass Outlet Trap in place of Bent Union, 2 3.												

# THE "PAULTON" BATH.

PARALLEL PATTERN WITH 2½ in. ROLL RIM.



Length Inside	...	...	...	...	...	...	...	...	5 ft. 0 in.	...	5 ft. 6 in.
Width Overall	...	...	...	...	...	...	...	...	29 in.	...	29 in.
Depth Inside	...	...	...	...	...	...	...	...	17 in.	...	17 in.
Height Overall	...	...	...	...	...	...	...	...	21 in.	...	21 in.

Best White Porcelain Enamelled inside and Plain Painted outside, Porcelain Enamelled Soap Tray, Gun-metal ¾-in. Hot and Cold Pillar Valves, Waste Plug and Chain, with 1½ in. Bent Union, 1½ in. Overflow, with Grating and Union										£6 19 0	...	£7 3 6
Extra for 1½ in. Brass Outlet Trap in place of Bent Union, 2/3.												

# THE "TENEMENT" BATH.

TAPER PATTERN WITH 2½ in. ROLL RIM.



Length Inside ...	...	...	...	...	5 ft. 0 in.	...	5 ft. 6 in.
Width Overall at Shoulder ...	...	...	...	...	28½ in.	...	28½ in.
Do. do. Foot ...	...	...	...	...	23½ in.	...	23 in.
Depth Inside ...	...	...	...	...	18 in.	...	18½ in.
Height Overall ...	...	...	...	...	23 in.	...	23 in.
Best White Porcelain Enamelled inside and Plain Painted outside ...					£5 1 3	...	£5 5 3

For Bath Fittings, see below.

# THE "COMPACT" BATH.

PARALLEL PATTERN WITH 1½ in. ROLL RIM.

SPECIALLY DESIGNED FOR SMALL BATH ROOMS, YACHTS, &c.



Length Inside ...	...	...	3 ft. 9 in.	4 ft. 3 in.	4 ft. 6 in.	4 ft. 9 in.	5 ft. 0 in.
Width Overall ...	...	...	25 in.	25 in.	25 in.	25 in.	25 in.
Depth Inside ...	...	...	17 in.	17 in.	17 in.	17 in.	17 in.
Height Overall ...	...	...	23 in.	23 in.	23 in.	23 in.	23 in.
Best White Porcelain Enamelled inside and Plain Painted outside ...			£4 15 3	£4 19 6	£5 1 9	£5 3 9	£5 5 9

BATH FITTINGS for above as follows:

Gun-metal ¾-in. Pillar Valves, with Unions, "Hot" and "Cold" ...	...	...	...	...	per pair	15/-
Do. ¾-in. Globe do. do. do. ...	...	...	...	...	each	13/3
Do. Plug, Chain and Waste Outlet, with 1½ in. Bent Union ...	...	...	...	...	each	9/3
Do. 1½ in. Overflow, with Grating and Union ...	...	...	...	...	each	3/-
Porcelain Enamelled Soap Tray "A" Pattern ...	...	...	...	...	each	7/9
Do. Corner Soap Tray "B" Pattern ...	...	...	...	...	each	4/-

# SUPERIOR PORCELAIN ENAMELLED FIRECLAY BATH.



JOHN JOWLS  
CHELSEA LONDON

**Porcelain Enamelled Fireclay Bath**, White Glazed inside and White Enamelled outside with Gold Band, supported on four White Glazed Feet, with Gun-metal Standard 1 in. Supply Fittings and Waste, as illustrated.

No. 1	Pattern, length inside, 5 ft. 6 in. ...	...	...	...	...	£28 10 6
No. 2	Do. do. 6 ft. 0 in. ...	...	...	...	...	31 0 0

Extra if Fittings Plated, 35/-.

Estimates for various combinations given on application.



# PORCELAIN ENAMELLED FIRECLAY HOSPITAL BATH.

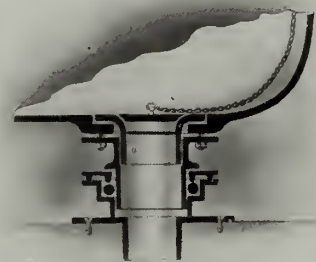
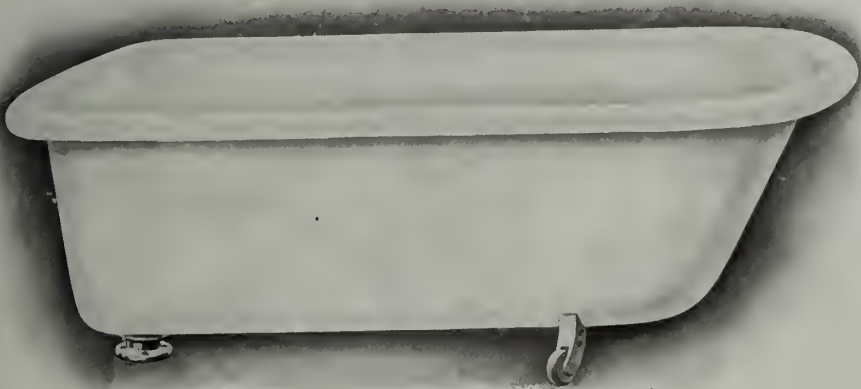


Porcelain Enamelled Fireclay Bath, 5 ft. 6 in. long inside, fitted with Special Gun-metal Mixing Supply Valve and Key, Porcelain Enamelled Cast-iron Bracket, Registered Gun-metal Waste Outlet with Plug and Chain, Trap designed to stand above floor ... .. £25 0 0

Estimates for various combinations given on application.

## CAST-IRON ROLLED-EDGE HOSPITAL BATH.

WITH SWIVEL WASTE.



SECTION OF WASTE

Hospital Bath, best White Porcelain Enamelled inside, Plain Painted outside, Bath with 3 in. Flat Roll, and 2 in. Gun-metal Swivel Waste, Plug and Chain, and Gun-metal Castors.

Inside Sizes :			Outside Sizes :		
Length.	Width.	Depth.	Length.	Width.	Depth off Floor.
5 ft. 6 in.	2 ft. 0 in.	1 ft. 8 in.	6 ft. 0 in.	2 ft. 6 in.	2 ft. 0½ in. ... £11 18 0
6 ft. 0 in.	1 ft. 11½ in.	1 ft. 6½ in.	6 ft. 6 in.	2 ft. 5½ in.	1 ft. 11½ in. ... 13 1 6

## PORTABLE HOSPITAL BATHS.



### Inside Sizes :

Length.	Width.	Depth.
5 ft. 6 in.	1 ft. 10 in.	1 ft. 6 in.

### Outside Sizes :

Length.	Width Overall.	Depth off Floor.
6 ft. 0 in.	2 ft. 6 in.	2 ft. 0 in.

**Portable Hospital Bath**, Cast-iron, Taper-sided, with Roll Edge, Porcelain Enamelled inside, Plain Painted outside, on Wheels with Rubber Tyres and Brake Clutch, Guide Handle and Discharge Valve ... .. **£10 0 0**

## PORTABLE HOSPITAL BATHS.

IN COPPER, PLATE ZINC, OR TINNED IRON.



### Sizes :

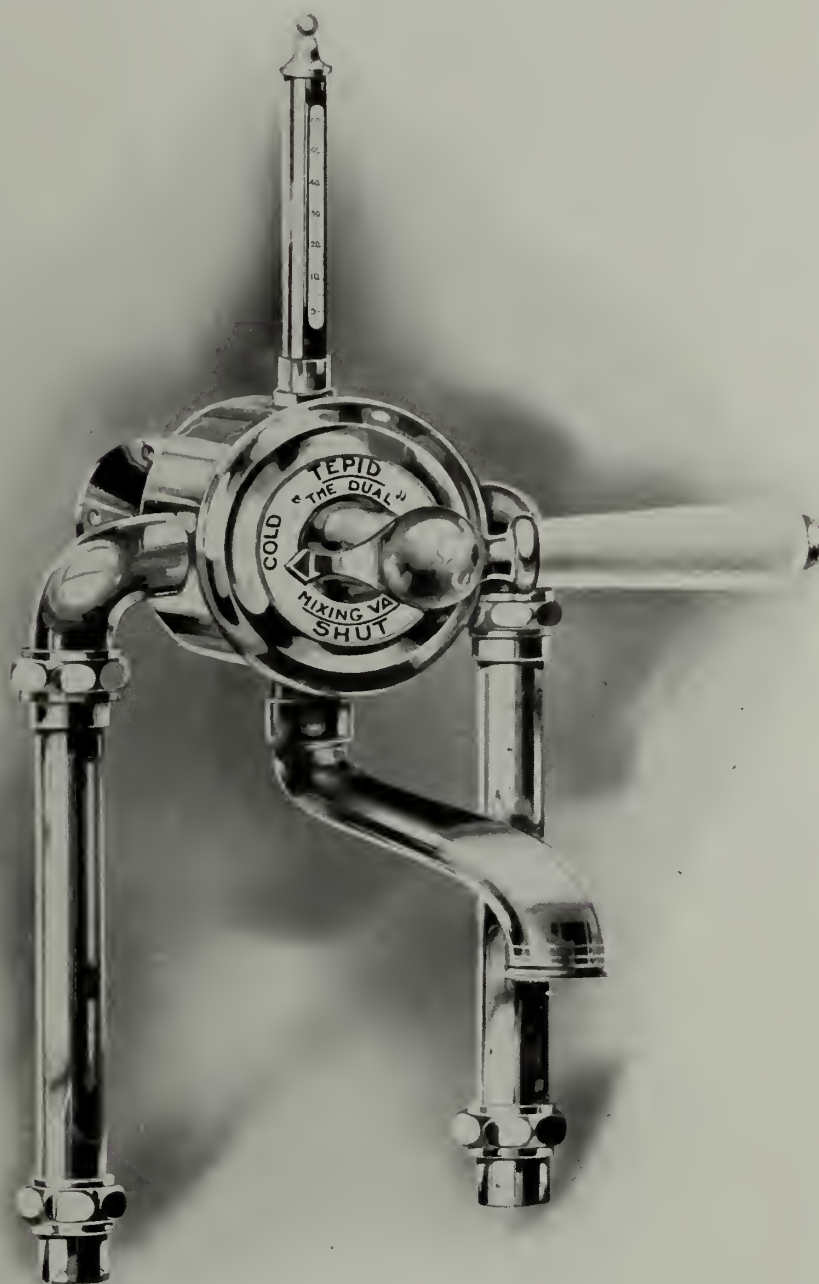
Length Inside.	Width Inside.	Depth Inside.
5 ft. 6 in.	18 in. to 25 in.	17½ in.

**Portable Hospital Bath**, with 1 in. Roll Edge and Splash-board, Three Wheels with Rubber Tyres, Guide Handles and Discharge Valve.

Tinned Copper, 16 W.G., Enamelled inside and Plain Painted outside	...	...	...	<b>£18 0 0</b>
Plate Zinc do. do. do.	...	...	...	<b>10 0 0</b>
Tinned Iron, Japanned White inside and Plain Painted outside	...	...	...	<b>8 0 0</b>

# THE "DUAL" COMPRESSION MIXING VALVE.

FOR HOSPITALS, ASYLUMS, PUBLIC BATHS, &c.



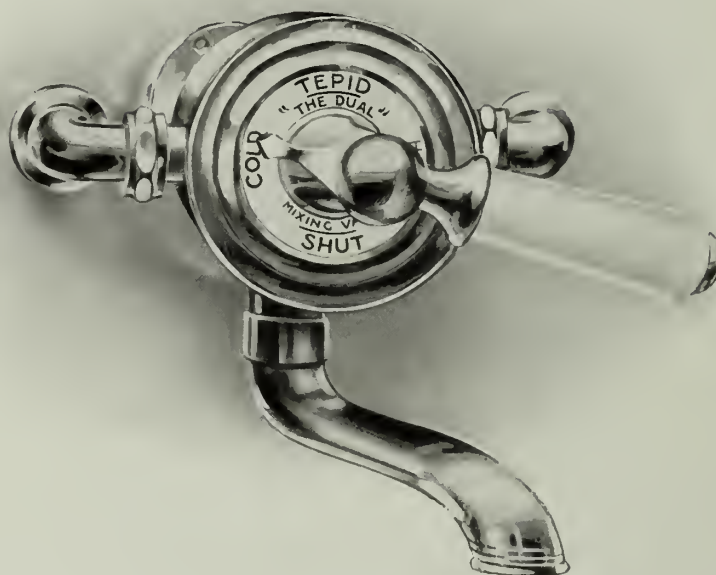
No. 1000.

This Valve will supply Hot, Cold, and Tepid Water, and is arranged so that Cold must be turned on first to avoid scalding. It is fitted with a reliable Thermometer.

Sizes	...	...	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	inches.
Polished Brass	...	...	70/-	90/-	115/-	130/-	each.
Polished Gun-metal	...	...	78/-	100/-	125/-	142/-	„
Extra Nickel-plated	...	...	5/-	6/-	7/-	8/-	„



# THE "DUAL" COMPRESSION MIXING VALVE.



No. 1001.

Mixing Valve, for Baths, Lavatories, or Sinks.

Size	...	...	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	inches.
Polished Brass	...	...	54/-	70/-	92/-	105/-	each.
Polished Gun-metal	...	...	60/-	77/-	100/-	116/-	"
Extra Nickel-plated	...	...	3/-	3/6	4/-	5/-	"



No. 1002.

Mixing Valve, for Showers, Sprays, &c.

Size	...	...	...	$\frac{1}{2}$	$\frac{3}{4}$	1	inches.
Polished Brass	...	...	...	50/-	65/-	85/-	each
Polished Gun-metal	...	...	...	55/-	70/-	93/-	"
Extra Nickel-plated	...	...	...	3/-	3/6	4/-	"

# IMPROVED SHOWER FITTINGS.

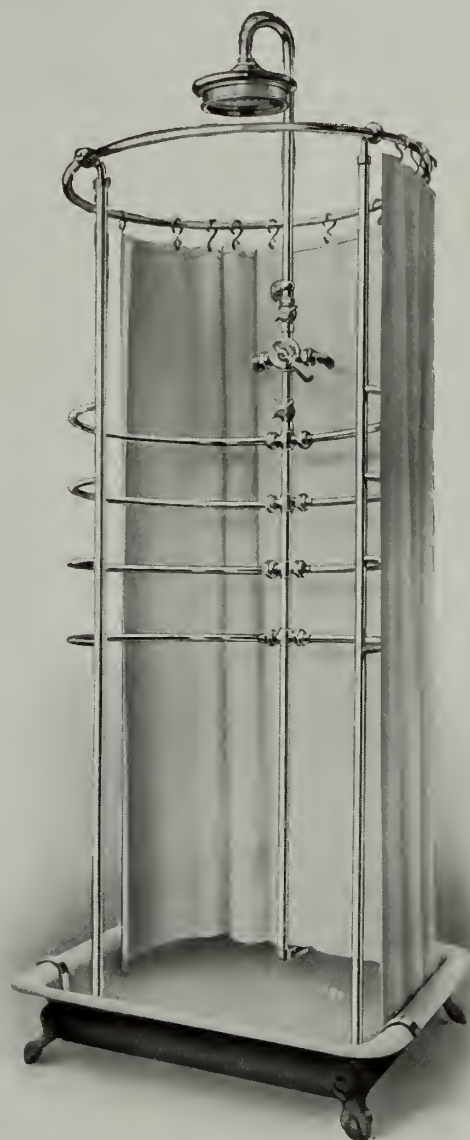
FITTED WITH "DUAL" COMPRESSION MIXING VALVE.



No. 1005.

**Combined Bath and Shower Fitting**, with 1 in. Hot and Cold Supplies to Bath and  $\frac{3}{4}$ -in. "Dual" Mixing Valve to Shower, Curtain Ring and Curtain.

Polished Brass	...	...	...	£12	0	0
Polished Gun-metal	...	...	...	13	0	0
Brass and Nickel-plated	...	...	...	13	0	0

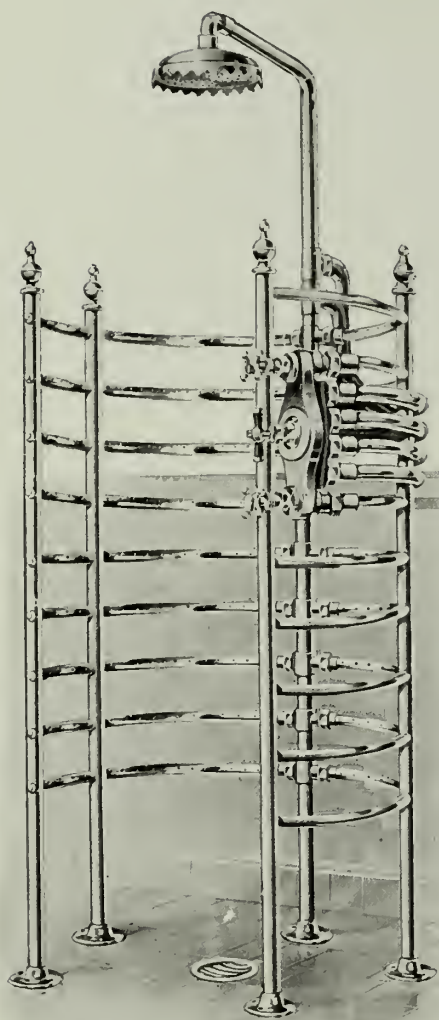


No. 1006.

**Shower and Spray Bath with Cast-iron Porcelain Enamelled Tray**, fitted with our "Dual" Mixing Valve, two Control Valves and Waterproof Curtain.

Polished Brass Tubes	...	...	£21	10	0
„ Copper Tubes	...	...	23	10	0
<b>Do., without Porcelain Enamelled Tray.</b>					
Polished Brass Tubes	...	...	£15	0	0
„ Copper Tubes	...	...	17	0	0

## SHOWER AND SPRAY BATHS.

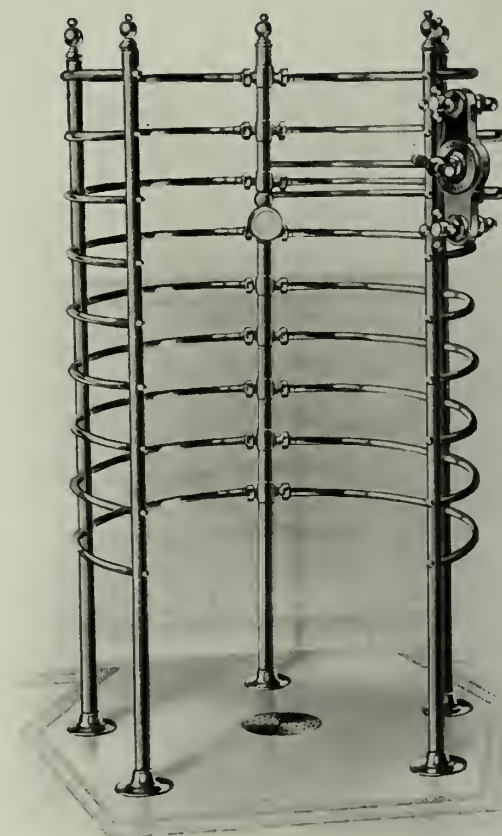


No. 1007.

**Shower and Spray Bath**, with Combination "Imperial" Supply Valves for Hot and Cold to Shower, Spray, Douche, and Wave, with five Upright and nine Circumference Tubes.

In Polished Solid-drawn Brass Tubing	£29	0	0
"        "        Copper        "	32	0	0
Extra Nickel-plated        ...        ...	3	10	0
,,        if with Floor Grate        ...        ...	0	3	6

Size. No.	From Floor to Underside of Shower.	From Floor to Top Rail.	Entrance.
1007	7 ft. 6 in.	4 ft. 9 in.	1 ft. 10 in.
1008	...	4 ft. 9 in.	1 ft. 10 in.



No. 1008.

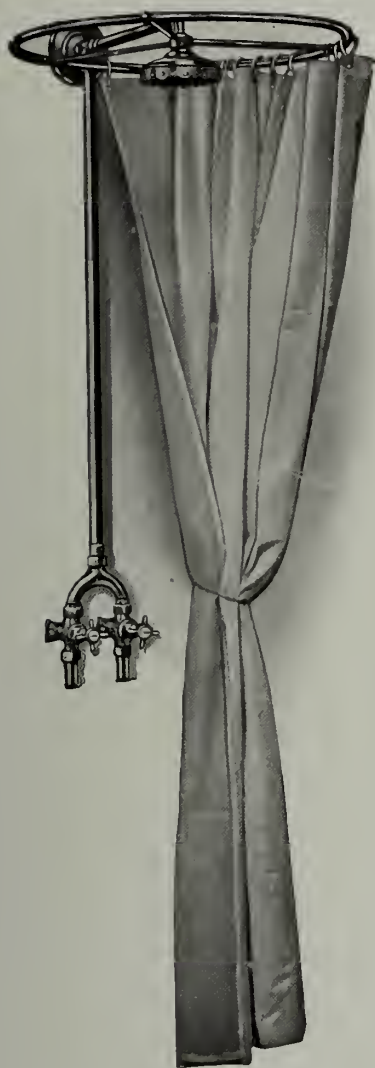
**Spray Bath**, with Combination "Imperial" Supply Valves for Hot and Cold to Spray, and Wave, including Connection Pipes as shewn, fitted with five Upright and nine Circumference Tubes.

In Polished Solid-drawn Brass Tubing	£22	0	0
"        "        Copper        "	25	0	0
Extra Nickel-plated        ...        ...	3	10	0
,,        with Floor Grate        ...        ...	0	3	6

Internal Diam.	Back Upright Tube.	Upright Tubes.	Circumference Tubes.
2 ft. 9 in.	1½ in. dia.	1¼ in. dia.	5/8 in. dia.
2 ft. 9 in.	1½ in. dia.	1¼ in. dia.	5/8 in. dia.



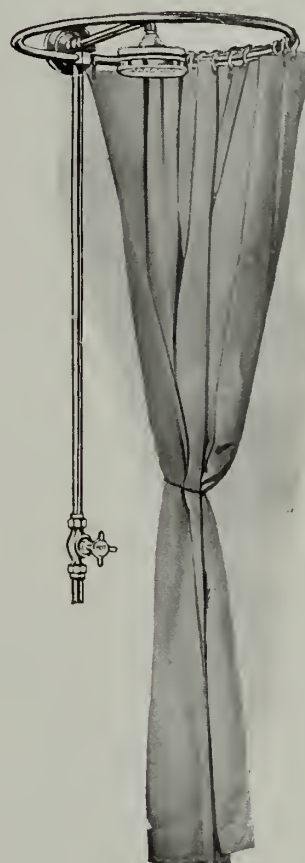
## SHOWER FITTINGS.



No. 1010.

**Shower**, with Curtain Ring and Waterproof Curtain, Chain, Hook, and Rose with Air Pipe to prevent dripping, fitted with Hot and Cold Screw-down Valves.

Size of Supply Valve.	Polished Brass.	Polished Gun-metal.	Brass and Nickel-plated.
$\frac{1}{2}$ -in.	105/-	115/-	115/- per set.
$\frac{3}{4}$ -in.	115/-	127/-	127/- „



No. 1011.

**Shower**, with Curtain Ring and Waterproof Curtain, Chain, Hook, and Rose with Air Pipe to prevent dripping, fitted with Screw-down Valve for Cold water.

Size of Supply Valve.	Polished Brass.	Polished Gun-metal.	Brass and Nickel-plated.
$\frac{1}{2}$ -in.	90/-	100/-	100/- per set.
$\frac{3}{4}$ -in.	95/-	105/-	105/- „

**Roses** for above with  $\frac{1}{2}$ -in. Supplies are 5 in. diameter ; with  $\frac{3}{4}$ -in. Supplies, 6 in. diameter.

Sizes : Wall to centre of Shower, 1 ft. 6 in. ; Length of Curtain, 6 ft. 6 in. ; Centre of Valve to underside of Rose, 3 ft. 9 in.

# CUBICLE BATHS.

FOR HOTELS, PUBLIC BATHS, GYMNASIUMS, SCHOOLS, FACTORIES, &c.



No. 1012.

Fitted with our “Dual” Compression Mixing Valve, which is so placed that the bather can ascertain the temperature of the water before entering Bath. The Shower Rose is fitted with a ball joint, so that it can be set at any angle to allow bather to have a body bath without wetting the head ; the Foot Bath can be filled from the Shower. The **Slab Partitions** may be of Polished Marble, Slate, or other suitable material.

White Porcelain Enamelled **Foot Bath**, 2 ft. 6 in. × 2 ft. 6 in. × 6 in., with Waste Outlet and Combined Overflow, Brass Curtain Rod, and Waterproof Curtain.

“Dual” Valve and Shower only : Brass, 85/- ; Gun-metal, 95/- ; Nickel-plated, 95/- each.

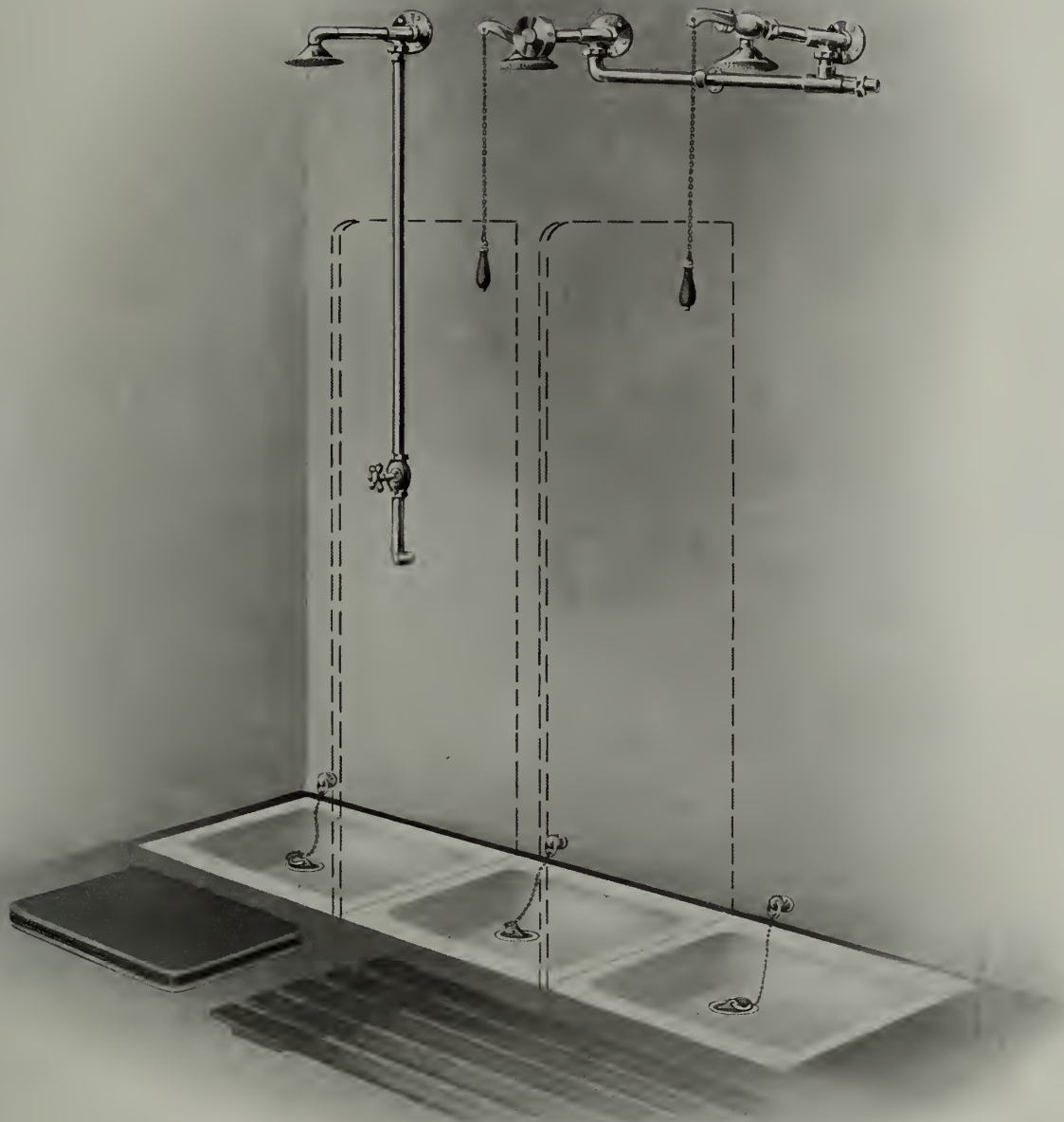
White Porcelain Enamelled Foot Bath ... .. 60/- each.

Rod and Waterproof Curtain ... .. 45/- „

**Slab Partitions**, Prices on receipt of Specification.

For Factories, Mines, etc., a cheap form of Cubicle can be used. Prices on receipt of Specification

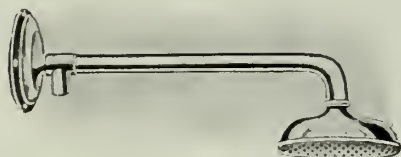
# FOOT AND SHOWER BATHS.



<b>Bracket Shower, as Fig. 1.</b> —6 in. Rose, $\frac{3}{4}$ -in. Iron Tube, Back Plate with Tee Connections, Iron Supply Tube and Valve								27/-
<b>Do.</b>	do.	Polished Brass Tube	...	...	...	...	...	37/-
<b>Do.</b>	as Fig. 2.	8 in. Rose with Self-closing Valve and Pull, Iron Tube and Back Plate	...	...	...	...	...	27/-
<b>Do.</b>	do.	Brass Tube and Back Plate	...	...	...	...	...	36/-
<b>Do.</b>	as Fig. 3.	8 in. Rose with Self-closing Valve and Pull, Brass Tube, Back Plate and Shower	...	...	...	...	...	38/-
<b>Foot Bath.</b> —Porcelain Enamelled Fireclay, White Glazed inside, Plain outside, 30 × 20 × 9 in. overall, with Washer, Plug, and Chain and Chain Stay, as illustrated								45/-
Various sizes of Baths can be quoted for to specification.								



# IMPROVED SHOWER FITTINGS.



No. 1020.

**Copper Shower, 6 in. diameter, with  $\frac{3}{4}$ -in. Wrought-iron Tube and Cast-iron Wall Plate, Ironwork painted.**

14/- each.

**1020A. Do., with 1 in. Brass Tube and Brass Tee and Wall Plate.**

Polished ... .. 20 - each.

Nickel-plated ... .. 24/- ,,

From Wall to centre of Shower, 1 ft.  
6 in. Shower, 8 in. dia. Inlet,  $\frac{3}{4}$  in.

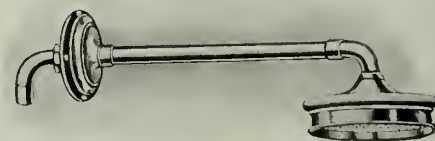


No. 1022A.

**Copper Shower, 8 in. diameter, with Self-closing Valve.  $\frac{3}{4}$ -in. Inlet.**

Polished ... .. 24/- each.

Nickel-plated ... .. 27/- ,,



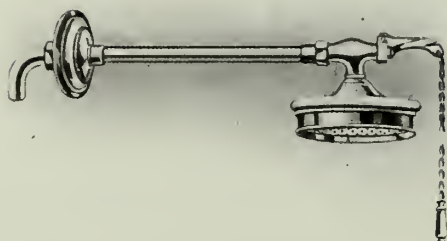
No. 1021.

**Copper Shower, 8 in. diameter, with  $1\frac{1}{4}$  in. Brass Tube and Wall Plate.**

Polished ... .. 27/- each.

Nickel-plated ... .. 32/- ,,

From Wall to centre of Shower, 1 ft.  
6 in. Inlet,  $\frac{3}{4}$  in.



No. 1022.

**Copper Shower, 8 in. diameter, with Self-closing Valve,  $1\frac{1}{4}$  in. Brass Tube and Wall Plate.**

Polished ... .. 38 - each.

Nickel-plated ... .. 43 6 ,,

**Do., with Curtain Ring and Waterproof Curtain.**

Polished ... .. 88/- each.

Nickel-plated ... .. 96/- ,,



No. 1025.

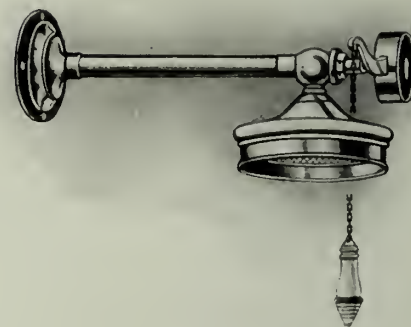
**Copper Shower Rose.**

5 6 7 8 in. diameter.

5 - 6 - 7 - 8 - each.

Nickel-plated.

7/- 8/- 9 6 10 6 each.



No. 1023.

**Copper Shower, 8 in. diameter, with Self-closing Valve, 1 in. Wrought-iron Tube and Cast-iron Wall Plate.**

Painted Ironwork ... 27/- each.



No. 1024.

**Brass Curtain Ring ... 30/- each.**

Nickel-plated ... .. 33/- ,,

Diameter of Ring, 2 ft. 1 in.

**Do., with Brass Tube and Back Plate.**

Polished ... .. 36/- each.

Nickel-plated ... .. 42/- ,,

(Sizes as 1021).

All these Showers have **Air Pipes** in the Roses to prevent dripping after Shower is shut off.

# IMPROVED SHOWER FITTINGS.



No. 1026.

8 in. Copper Shower, for fixing in Ship's Bathroom.

Polished ... 25/- each.

Nickel-plated 27/- „



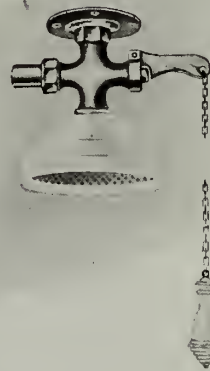
No. 1027.

Copper Shower.

Diam. 6 7 8 ins.

Polished 8/6 9/6 10/6 each.

Nickel-plated 10/6 11/6 13/- „



No. 1028.

Porcelain Shower, with Self closing Valve

Diam. 6 7 8 ins.

30/- 32/6 36/- each.

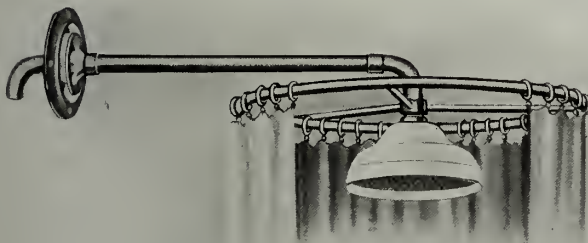


No. 1029.

Porcelain Shower, with Ceiling Plate.

Diam. 6 7 8 ins.

16/- 18/6 22/6 each.



No. 1030.

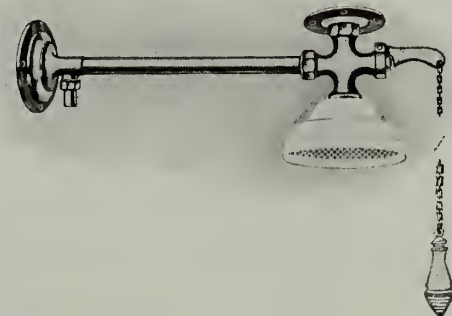
Brass Bracket Shower, with Porcelain Rose, 6 in. diameter, Curtain Ring and Waterproof Curtain.

Polished ... 80/- each.

Nickel-plated ... 87/6 „

If with Copper Rose, Polished ... 75/-

„ „ „ Nickel-plated ... 83/- „



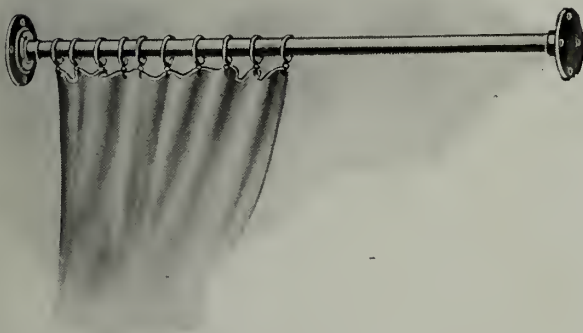
No. 1031.

Brass Bracket Shower, with Porcelain Rose and Self-closing Valve.

Diam. of Rose, 6 in.

Polished ... 45/- each.

Nickel-plated 51/- „



No. 1034.

3-in. Brass Curtain Rod, 3 ft. 6 in. long, with Wall Flanges and Waterproof Curtain, 6 ft. 6 in. long.

Polished, 42/- Nickel-plated, 46/- each.



No. 1032.

Brass Shower and Jet.

$\frac{1}{2}$   $\frac{3}{4}$  in.

Diam. of Rose 4 5 in.

17/- 28/- each

Sizes of 1030 and 1031.

ft. in.

Wall to centre of

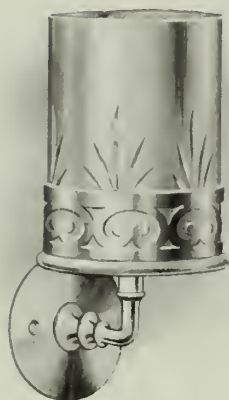
Shower ... 1 6

Inlet ... 0  $\frac{3}{4}$

Curtain Ring ... 2 1

Curtain ... 6 6

# BATH ROOM AND LAVATORY FITTINGS.



No. 1040.

Holder and Cut Glass Tumbler.

Polished Brass ... 7/- each.  
Nickel-plated ... 8/- "

If without Glass, deduct 2/6.

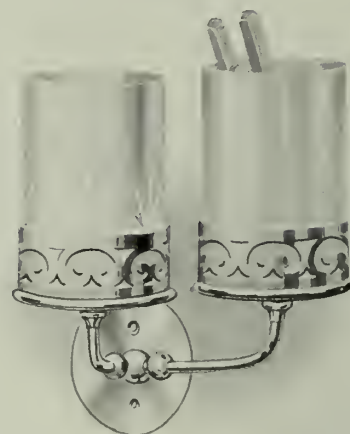


No. 1041.

Holder, with China Vase and Tray.

Polished Brass ... 13/- each.  
Nickel-plated ... 14/6 "

If without Vase and Tray, deduct 4/-.



No. 1042.

Holder, with Cut Glass Tumbler and China Vase.

Polished Brass ... 14/- each.  
Nickel-plated ... 15/6 "

If without Glass and Vase, deduct 4/6.

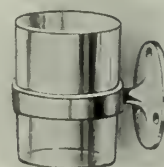


No. 1043.

Holder and China Vase.

Polished Brass ... 6/6 each.  
Nickel-plated ... 7/6 "

If without Vase, deduct 2/-.



No. 1046.

Holder, with Cut Glass Tumbler.

Polished Brass ... 5/6 each.  
Nickel-plated ... 6/- "

If without Glass, deduct 2/6.

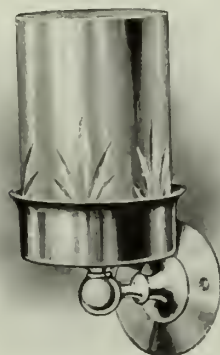


No. 1044.

Holder, with Cut Glass Tumbler, China Vase and Soap Tray.

Polished Brass ... 21/6 each.  
Nickel-plated ... 23/6 "

If without Glass, Vase, and Tray, deduct 6/6.

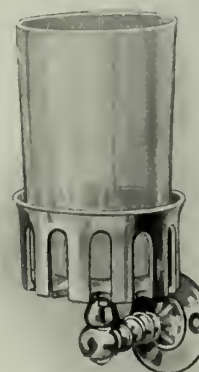


No. 1045.

Holder and Cut Glass Tumbler.

Polished Brass ... 6/6 each.  
Nickel-plated ... 7/6 "

If without Glass, deduct 2/6.



No. 1047.

Holder and Cut Glass Tumbler.

Polished Brass ... 6/6 each.  
Nickel-plated ... 7/6 "

If without Glass, deduct 2/6.



# BATH ROOM AND LAVATORY FITTINGS.



No. 1048.

## Holder and Cut Glass Carafe.

Polished Brass ...	20/- each.
Nickel-plated ...	21/- „
If without Carafe, deduct 9/-.	



No. 1049.

## Combination Holder, with Cut Glass Tumblers, China Vase and Soap Tray.

Polished Brass ...	28/- each.
Nickel-plated ...	31/6 „

Deduct if without:

Glass Tumblers ...	5/-
China Vase... ..	2/-
China Tray ... ..	2/-



No. 1051.

## Holder and Cut Glass Carafe.

Polished Brass ...	13/6 each.
Nickel-plated ...	14/6 „
If without Carafe, deduct 9/-.	



No. 1052.

## Soap Holder, to hang on Bath.

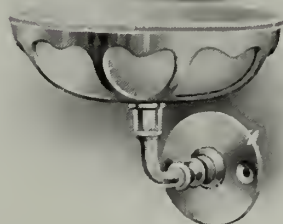
Polished Brass ...	8/6 each.
Nickel-plated ...	9/6 „



No. 1050.

## China Shaving Mug and Holder.

Polished Brass ...	12/- each.
Nickel-plated ...	13/6 „



No. 1053.

## Holder and China Soap Tray.

Polished Brass ...	7/6 each.
Nickel-plated ...	8/6 „



No. 1054.

## Sanitary Paper Holder.

Polished Brass ...	4/- each.
Nickel-plated ...	4/6 „

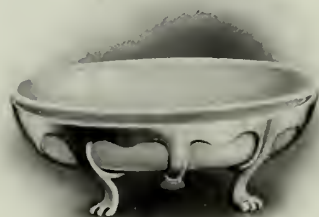
# BATH ROOM AND LAVATORY FITTINGS.



No. 1060.

## Holder and Cut Glass Tumbler.

Gun-metal	...	...	6 6 each.
Nickel-plated	...	...	7 3 "
Black Bronze	...	...	7 6 "
Without Glass Tumbler, deduct 2 6.			



No. 1065.

## Holder and China Soap Tray.

Polished Brass	...	...	8/- each.
Nickel-plated	...	...	8 9 "
If without Dish, deduct 2 -.			



No. 1067.

## Holder and China Soap Tray.

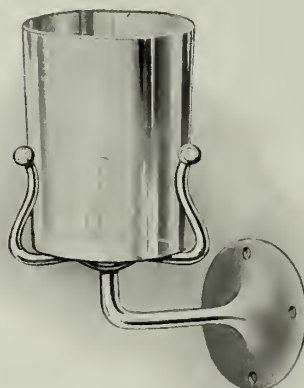
Polished Brass	...	...	3 6 each.
Nickel-plated	...	...	4/- "



No. 1061.

## China Soap Dish and Holder.

Gun-metal	...	...	18 - each.
Nickel-plated	...	...	19 6 "
Black Bronze	...	...	21/- "
Size of Dish, 6½ x 6 in.			



No. 1064.

## Nickel-plated Holder and Cut Glass Tumbler.

6/- each.



No. 1068.

## Glass Sponge Bowl and Holder.

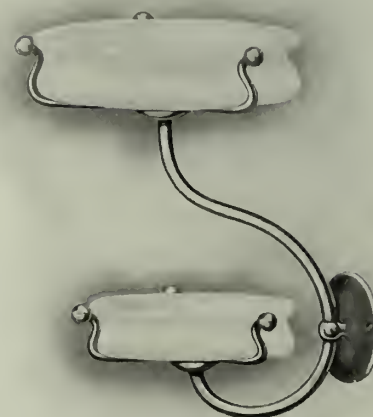
Gun-metal	...	...	8 6 each.
Nickel-plated	...	...	9 3 "
Black Bronze	...	...	10/- "



No. 1062.

## Holder and China Vase.

Gun-metal	...	...	6/- each.
Nickel-plated	...	...	6 9 "
Black Bronze	...	...	7/- "
Without China Vase, deduct 2/-.			

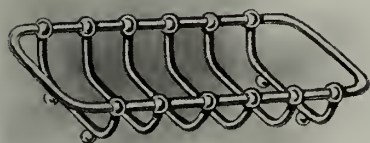


No. 1069.

## Nickel-plated Sponge and Soap Holder, with China Dishes.

15/- each.

# BATH ROOM AND LAVATORY FITTINGS.

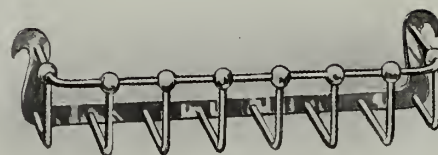


No. 1070.

## Brush Rack.

Brass ... .. 8/6 each  
 Nickel-plated ... .. 9/6 „  
 Size,  $6 \times 3\frac{1}{4} \times 1\frac{1}{4}$  in.

Screws are included in prices  
 of these fittings.



No. 1071.

## Comb and Brush Rack.

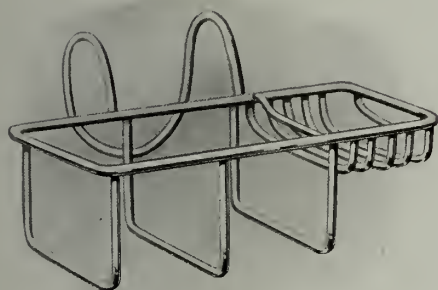
Brass ... .. 9/- each.  
 Nickel-plated ... .. 10/- „  
 Size,  $11 \times 5\frac{1}{2}$  in.



No. 1072.

## Comb and Brush Rack.

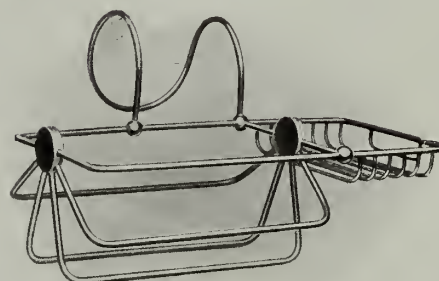
Brass ... .. 32/- each.  
 Nickel-plated ... .. 35/- „  
 Size,  $11\frac{1}{2} \times 5 \times 4$  in.



No. 1073.

## Sponge and Soap Holder.

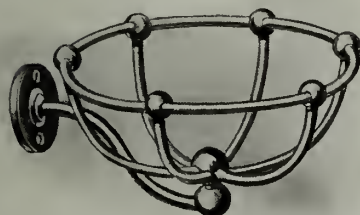
Brass ... .. 9/- each.  
 Nickel-plated ... .. 10/- „



No. 1074.

## Sponge and Soap Holder.

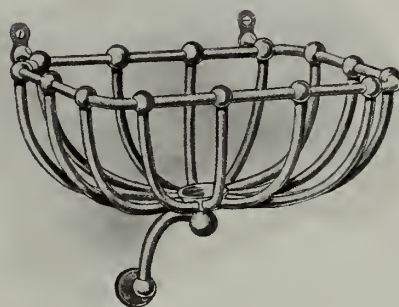
Brass ... .. 11/- each.  
 Nickel-plated ... .. 12/6 „



No. 1076.

## Sponge Holder.

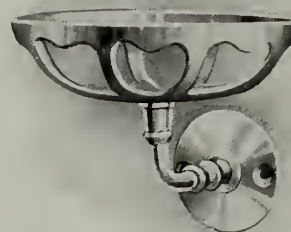
Brass ... .. 8/- each.  
 Nickel-plated ... .. 9/- „  
 Size,  $7\frac{1}{2}$  in. dia.  $\times 3\frac{1}{4}$  in. deep.



No. 1075.

## Sponge Holder.

Brass ... .. 18/6 each.  
 Nickel-plated ... .. 20/- „  
 Size,  $10 \times 7 \times 3\frac{1}{2}$  in.



No. 1077.

## Sponge Holder.

Brass ... .. 5/6 each.  
 Nickel-plated ... .. 6/6 „



# BATH ROOM AND LAVATORY FITTINGS.



No. 1080.

**Hygienic Bath Room Cabinet,** fitted with Bevelled Silvered Plate Glass Mirror, Two Plate Glass Shelves with Ground and Polished Edges, White Opal Glass in back of Door, Brass Nickel-plated Shelf Brackets, Handle, &c.

Size of Glass, 24 x 18 in.  
85/- each.

Overall measurements :—  
29 in. High. 23 in. Wide. 6 in. Deep.



No. 1081.

**Hygienic Bath Room Stool,** with Rubber protection on feet.

Dia., 13 in. Height, 15 in.  
22/6 each.



No. 1085.

**Hygienic Bath Room Mirror,** 1 1/4 in. rounded face Moulding, Oval Frame, with Bevelled Silvered and Electro-coppered Plate Glass Mirror.

Size of Glass :

20 x 16 in.	...	32/- each.
24 x 18 in.	...	40/- "
28 x 18 in.	...	45/- "
30 x 20 in.	...	55/- "
35 x 23 in.	...	70/- "



No. 1090.

**Sanitary Paper Holder.**

7 in. x 5 in. x 2 in.  
10/6 each.



No. 1095.

**Jewel Holder.**

Brass ... 2/- each.  
Nickel-plated 2/6 "



No. 1096.

**Jewel Holder.**

Brass ... 2/- each.  
Nickel-plated 2/6 "



No. 1093.

**Towel Basket.**

Size, 22 x 12 in.

Brass ... 70/- each.  
Nickel-plated ... 75/- "



No. 1098.

**Bath Seat,** with Rubber Protectors.  
15/- each.

No. 1098A. Medium Quality 7/6 each.



No. 1066.

**China Soap Dish and Holder.**

Brass ... 4/- each.  
Nickel-plated ... 4/6 "

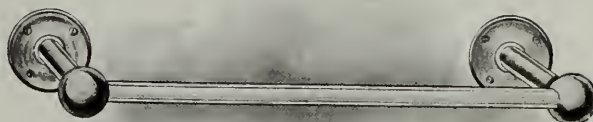
# BATH ROOM AND LAVATORY FITTINGS.



No. 1100.

Nickel-plated Brass Towel Rail.

	24	30	36	48 in. long.
$\frac{5}{8}$ in. dia. ...	5/-	5/6	6/3	7/- each.
$\frac{3}{4}$ „ ...	5/6	6/-	7/-	8/- „
1 „ ...	6/6	7/-	8/-	9/- „



No. 1101.

Nickel-plated Brass Towel Rail.

	18	24	30	36 in. long.
$\frac{3}{4}$ in. dia. ...	7/6	8/3	9/-	10/- each.
1 „ ...	9/-	10/-	11/-	12/- „
1 $\frac{1}{4}$ „ ...	—	11/-	12/-	13/- „



No. 1102.

Nickel-plated Towel Rail, with Opal Glass Rail.

	18	24	30	36 in. long.
$\frac{3}{4}$ in. dia. ...	10/-	11/-	—	— each.
1 „ ...	11/6	13/-	14/6	16/- „

Ditto, with Clear Glass Rail.

	8/-	9/-	—	— each.
$\frac{3}{4}$ in. dia. ...	8/-	9/-	—	— each.
1 „ ...	9/6	11/-	12/6	14/- „



No. 1103.

Nickel-plated Towel Rail, with Opal Glass Rails.

	18	24	30	36 in. long.
$\frac{3}{4}$ in. dia. ...	18/-	20/-	—	— each.
1 „ ...	21/-	24/-	27/-	30/- „

Ditto, with Clear Glass Rails.

$\frac{3}{4}$ in. dia. ...	...	14/-	16/-	—	— each.
1 " " "	...	17/-	20/-	23/-	26/- "



No. 1104.

Nickel-plated Towel Rail, with Opal Glass Rail.

	18	24	30	36 in. long.
$\frac{3}{4}$ in. dia. ...	12/-	13/6	—	— each.
1 „ ...	14/-	15/6	17/-	18/6 „

Ditto, with Teakwood Rail.

	9/6	10/-	10/6	— „
1 in. dia. ...	9/6	10/-	10/6	— „



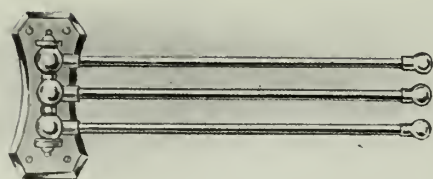
No. 1105.

Nickel-plated Adjustable Towel Rail.

Bars 17 in. long  $\times \frac{3}{4}$  in. dia.

	3 Bars.	2 Bars.	1 Bar.
Opalescent Glass Bars	27/6	18/6	12/- each.
Brass Bars	19/-	14/-	10/6 „

# BATH ROOM AND LAVATORY FITTINGS.



No. 1106.

Nickel-plated Adjustable Towel Rail.

3 Bars. 2 Bars. 1 Bar.  
All Brass ... 13 6 10 - 6 6 each.

Sizes, 17 in. long  $\frac{1}{2}$  in. diameter.



No. 1114.

Tooth Brush Holder.

Nickel-plated, 4 6 each.

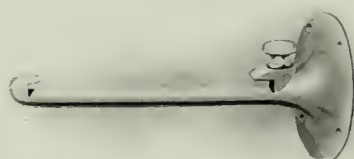


No. 1107.

Nickel-plated Towel Rack.

Length ... 24 30 36 in.  
10 6 11 6 12 6 each.

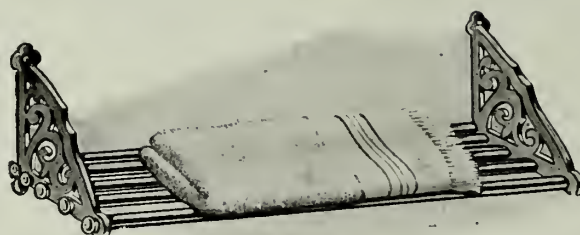
Diameter of Rails,  $\frac{5}{8}$  in.



No. 1110.

Brass Bracket, for Glass Shelf.

5  $\frac{1}{2}$  5  $\frac{3}{4}$  6  $\frac{1}{2}$  in.  
Polished ... 9 - 9 9 10 - each.  
Nickel-plated 9 9 10 6 11 - "

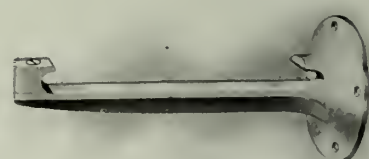


No. 1108.

Nickel-plated Towel Shelf.

Length ... 18 24 30 in.  
16 6 18 - 20 - each.

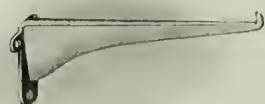
Width of Shelf, 7 in.



No. 1111.

Brass Bracket, for Glass Shelf.

5 5  $\frac{1}{2}$  6 6  $\frac{1}{2}$  in.  
Polished ... 8 3 9 - 9 3 10 6 each.  
Nickel-plated 9 - 9 9 10 - 11 6 "



No. 1112.

Brass Bracket, for Glass Shelf.

5 5  $\frac{1}{2}$  6 6  $\frac{3}{4}$  in.  
Polished ... 2 3 2 6 2 9 3 - each.  
Nickel-plated 2 7 2 10 3 1 3 4 "



No. 1109.

Nickel-plated Towel Shelf and Rail.

Length ... 18 24 30 in.  
19 - 21 - 23 - each.

Width of Shelf, 7 in.



No. 1113.

Brass Bracket, for Glass Shelf.

5  $\frac{1}{2}$  5  $\frac{3}{4}$  6  $\frac{1}{2}$  in.  
Polished ... 4 6 5 - 5 9 each.  
Nickel-plated 5 3 5 9 6 6 "



# BATH ROOM AND LAVATORY FITTINGS.



No. 1120.

Plate Glass Shelf, supported on Nickel-plated Brass Brackets.

Size, 24 x 5	$\frac{3}{8}$ in.	...	...	10/6 each.
„ 30 x 5	$\frac{3}{8}$ „	...	...	12/- „



No. 1121.

Plate Glass Shelf, Glass Rail and Nickel-plated Brass Brackets.

Size, 30 x 5	$\frac{3}{8}$ in.	...	...	24/- each.
„ 24 x 5	$\frac{3}{8}$ „	...	...	22/- „



No. 1122.

Plate Glass Shelf, supported on Nickel-plated Brass Brackets.

18/- each.

Shelf, 33 in. long x 6 in. wide x  $\frac{3}{8}$  in. thick.



No. 1123.

Plate Glass Shelf, supported on Nickel-plated Brass Brackets.

Size, 30 x 6	$\frac{3}{8}$ in.	...	...	12/6 each.
„ 33 x 6	$\frac{3}{8}$ „	...	...	13/6 „

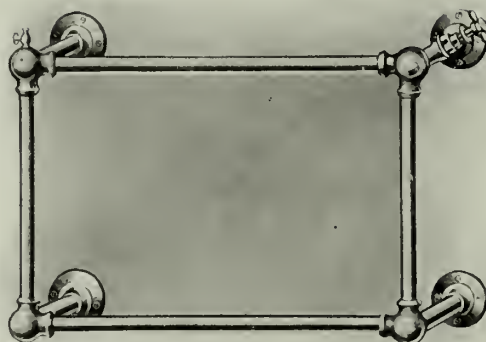


No. 1124.

Plate Glass Shelf, Brass Rail and Nickel-plated Brass Brackets.

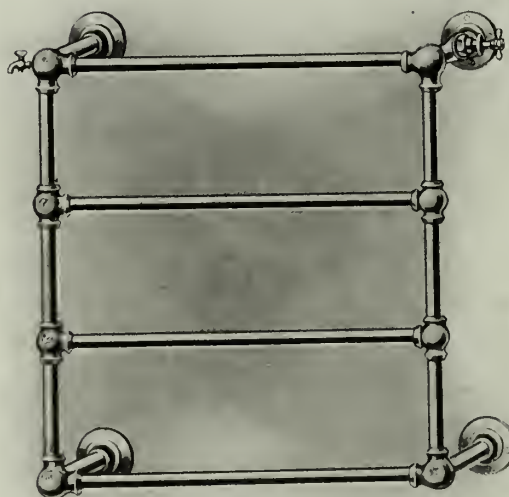
Size, 27 x 5	$\frac{3}{8}$ in.	...	...	18/- each.
„ 30 x 5	$\frac{3}{8}$ „	...	...	19/- „
„ 33 x 5	$\frac{3}{8}$ „	...	...	20/- „

# HOT WATER TOWEL RAILS.



No. 1130. Hot Water Towel Rail, with Stays to fix on Wall, fitted with Regulating Stop Valve and Air Valve.

Size	...	...	36 × 24 in.			Brass.	Copper.	Extra for Nickel-plated.
Diameter of Tube	...	...	1¼ in.	...	...	£4 2 6	£4 10 3	9/6 each.
"	"	...	1½ in.	...	...	4 13 6	5 3 6	10/6 "

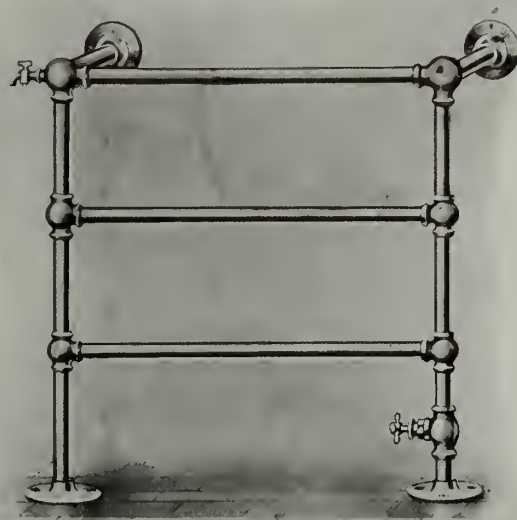


No. 1131. Hot Water Towel Rail, with Stays to fix on Wall, fitted with Regulating Stop Valve and Air Valve.

Size	...	...	36 × 36 in.			Brass.	Copper.	Extra for Nickel-plated.
Diameter of Tube	...	...	1¼ in.	...	...	£6 0 0	£6 14 3	14/6 each.
"	"	...	1½ in.	...	...	6 16 6	7 10 9	15/6 "

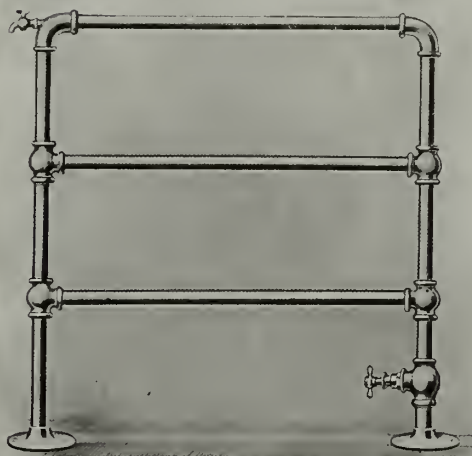
All Towel Rails are Screwed ¾-in. Iron at Inlet and ½-in. Iron at Outlet unless ordered otherwise.

# HOT WATER TOWEL RAILS.



No. 1132. Hot Water Towel Rail, with Stays to fix in wall and Floor Plates, fitted with Regulating Stop Valve and Air Valve.

Sizes	...	42	36 in.			Brass.	Copper.	Extra for Nickel-plated.
Diameter of Tube	...	1 1/4	in.	...	...	£4 19 0	£5 13 6	13/6 each.
"	...	1 1/2	in.	...	...	£5 15 6	£6 12 0	15/- "



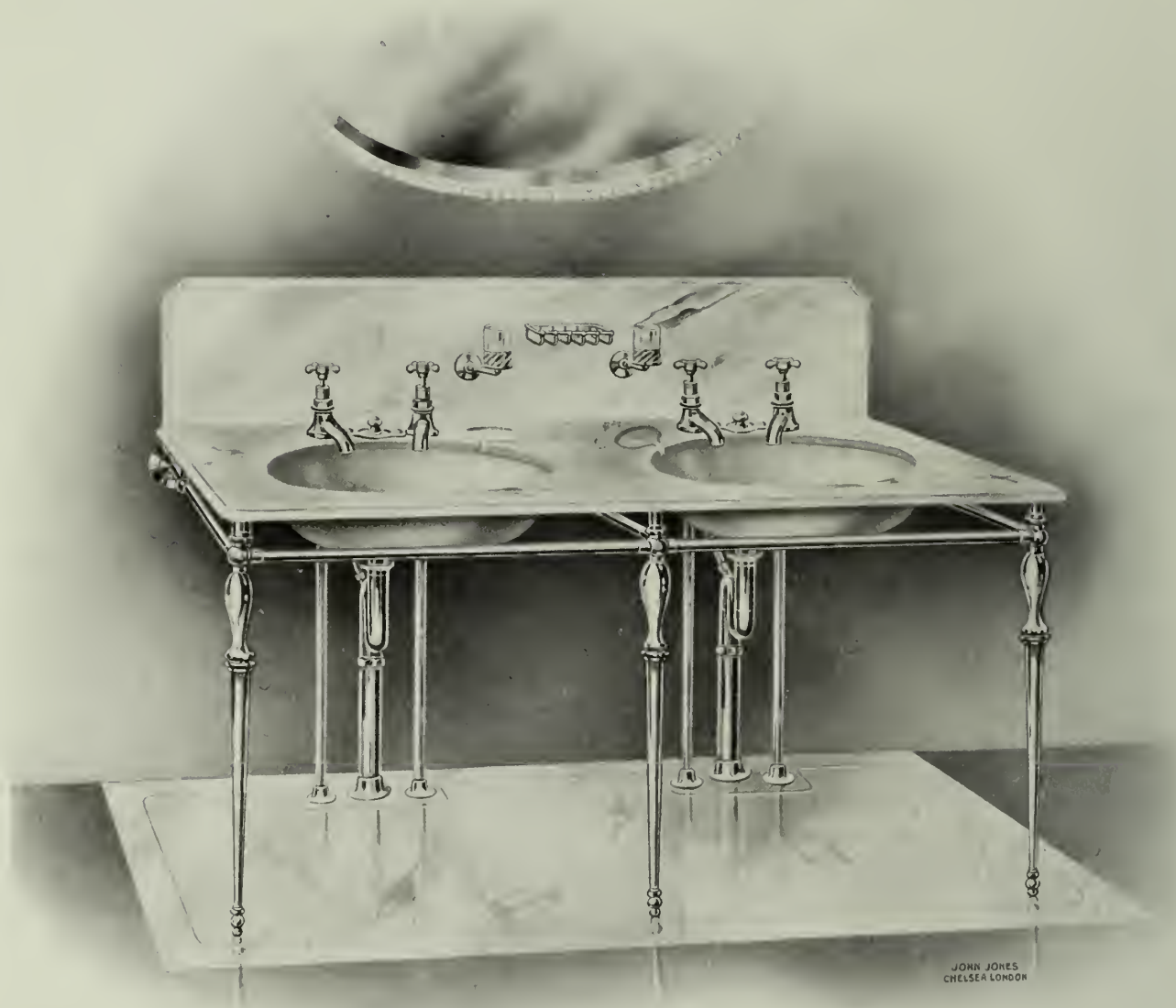
No. 1133. Hot Water Towel Rail, with Floor Plates, fitted with Regulating Stop Valve and Air Valve.

Sizes	...	36	32 in.			Brass.	Copper.	Extra for Nickel-plated.
Diameter of Tube	...	1 1/4	in.	...	...	£3 19 9	£4 8 0	10/6 each.
"	...	1 1/2	in.	...	...	4 16 3	5 6 9	11/9 "
Sizes	...	36	36 in.					
Diameter of Tube	...	1 1/4	in.	...	...	4 2 6	4 11 6	10/6 "
"	...	1 1/2	in.	...	...	4 19 0	5 10 0	11/9 "

All Towel Rails are Screwed 3/4-in. Iron at Inlet, and 1/2-in. Iron at Outlet, unless otherwise ordered.



# POLISHED MARBLE LAVATORIES.



No. 1140. **Marble Lavatory Range**, for two persons, 5 ft. 6 in. long with Skirting 12 in. high at back, fitted with White Porcelain Oval Basins, clipped to slab, Dished Soap Trays drained into basins, Gun-metal Hot and Cold Valves, Quick Waste and Pull-up Fitting, Polished Brass Standards and Rail Framing to support top.

	Veined White Marble.	St. Ann's Marble.	Rouge Royal Marble.
	£22 5 6	£23 18 6	£25 14 3
Extra for Dished Marble Base ...	7 3 0	8 16 0	9 12 6
Extra with Nickel-plated Valves, Waste Fitting, Standards, Rail and Framing ...	...	...	£1 18 6
.. .. Brass Traps and Supplies to Floor, Polished Brass, £2 7 6; Nickel-plated	...	...	3 7 6
.. .. for Brush and Comb Holder, Plated Brass	...	...	0 9 0 each.
.. .. Tooth Brush Holder	...	...	0 8 6 ..

Mirrors to any Design can be quoted for.

The above is an example of a Hotel or Club Lavatory—any description of Marble Lavatory Ranges with various Fittings can be quoted for.

## POLISHED MARBLE LAVATORIES.



JOHN JONES  
CHELSEA-KINGDON

No. 1141. **Marble Lavatory Range**, as illustrated, 2 ft. to 2 ft. 6 in. long per person, with Skirting 12 in. high at back, fitted with best White Porcelain **Round or Oval Basins**, clipped to slab, Gun-metal Hot and Cold Screw-down Valves with concealed Quick Waste and Pull-up Fitting, complete.

(Iron Cantilever Brackets or Standards extra, as below.)

			Veined White Marble.	St. Ann's Marble.	Rouge Royal Marble.	
Round Basins, with Vulcanite	12 in. inside diameter		£4 7 6	£5 11 6	£5 15 6	per person.
Plug and Chain Waste	14 in.	,,	5 3 3	6 5 6	6 12 0	,,
Do., with Quick Waste and Pull-up Fitting	14 <sup>3</sup> / <sub>4</sub> in.	,,	6 3 9	7 3 9	7 6 6	,,
Oval Basins, with Vulcanite	14 in. × 11 in.	,,	4 15 9	5 19 9	6 3 9	,,
Plug and Chain Waste	18 in. × 13 in.	,,	5 1 6	6 3 9	6 8 0	,,
	21 in. × 14 in.	,,	5 6 6	6 8 0	6 12 0	,,
Do., with Quick Waste and Pull-up Fitting	18 <sup>1</sup> / <sub>2</sub> in. × 13 in.	,,	6 14 0	7 12 9	8 1 3	,,
	19 <sup>1</sup> / <sub>2</sub> in. × 15 <sup>1</sup> / <sub>2</sub> in.	,,	6 16 3	7 16 9	8 5 0	,,

Extra Brush and Comb Holder, Plated Brass, 10/6 each.

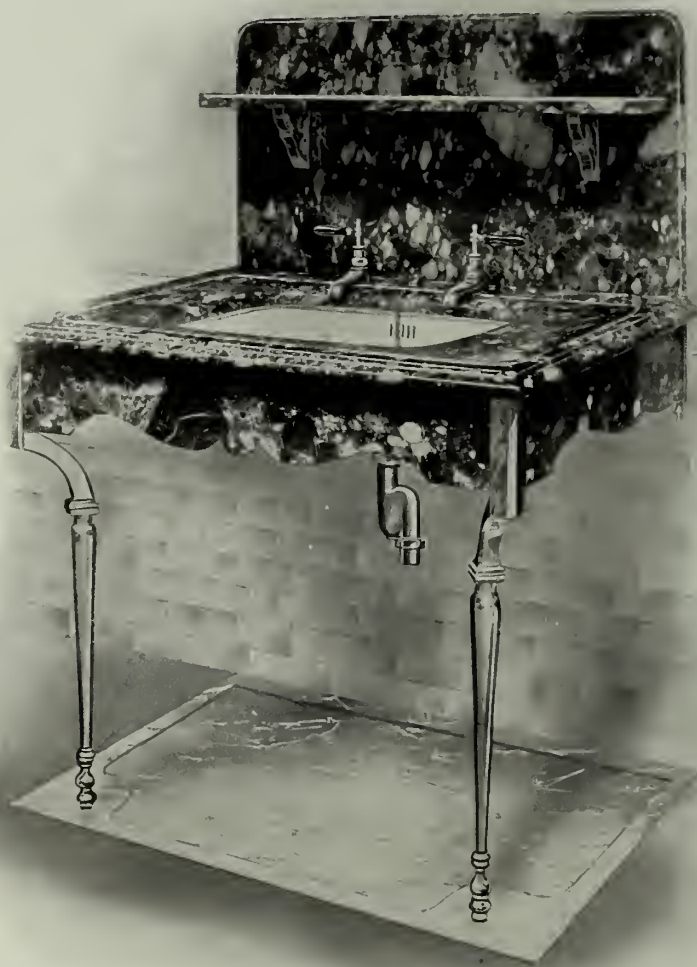
,, Soap Holder, Plated Brass, 8/6 each.

**Copper, Brass, or Lead Waste Pipes and Connections** quoted only to specification.

				Painted.	Galvanized.
Extra Cast iron Standards and Wrought-iron Framing	...	...	...	15/-	26/3 per person.
,, Cantilever Brackets	...	...	...	7/6	12/6 ,,

Brass Standards and Rail Framing can be adapted as shewn on page 183.

# THE "CLARENCE" POLISHED MARBLE LAVATORY.



No. 1142. **Polished Marble Lavatory**, with Dished Top 3 ft. long  $\times$  2 ft. 2 in. wide,  $1\frac{1}{4}$  in. thick ; with Moulded Edge, Back Skirting 1 ft. 6 in. high with 5 in. Shelf fitted on two Marble Brackets, Shaped Marble Frieze along front and sides, supported on Brass Standards. Fitted with best White Oblong Basin 22 in.  $\times$  16 in. inside,  $\frac{1}{2}$ -in. Lever-handle Hot and Cold Valves,  $1\frac{1}{2}$  in. Waste Outlet with Vulcanite Plug, Chain-Stay and Chain, and Trap. All Fittings Nickel-plated.

Veined White Marble.	St. Ann's Marble.	Rouge Royal Marble.	Statuary Marble.	Vert Antico (Green) Marble.
£13 12 3	£16 18 3	£17 2 6	£17 6 6	£23 18 6

## DISHED MARBLE FLOOR STAND (as illustrated).

Veined White Marble.	St. Ann's Marble.	Rouge Royal Marble.
£2 18 3	£4 2 6	£4 2 6

If without Nickel-plated Brass Trap to Waste Union, *deduct* ... .. P Trap, 10/6 ; S Trap, 12/6.  
 If with Nickel-plated Screw-down Valves, *deduct* ... .. 11/9 per pair.  
 If required with Quick Waste Basin, as No. 1143, *add* ... .. £1 2 6



# THE "ALBANY" POLISHED MARBLE LAVATORY.



No. 1143. **Polished Marble Lavatory**, with Dished Top 2 ft. 9 in. long  $\times$  2 ft. 2 in. wide, 1  $\frac{1}{4}$  in. thick ; with Moulded Edge, Back Skirting 1 ft. 6 in. high, Shaped Marble Frieze along front and sides, supported on Brass Standards. Fitted with best White Oblong Basin 22 in.  $\times$  16 in. inside, with Quick Waste and Pull-up Fitting,  $\frac{1}{2}$ -in. Pillar Hot and Cold Valves. All Fittings Nickel-plated.

Veined White Marble.	St. Ann's Marble.	Rouge Royal Marble.	Statuary Marble.	Vert Antico (Green) Marble.
£13 4 0	£15 17 9	£16 1 9	£17 6 6	£22 5 0

## DISHED MARBLE FLOOR STAND (as illustrated).

Veined White Marble.	St. Ann's Marble.	Rouge Royal Marble.
£2 18 3	£4 2 6	£4 2 6

	Veined White Marble.	St. Ann's Rouge Royal, or Statuary Marble.	Vert Antico (Green) Marble.
If with Shelf and Brackets fitted to Back Skirting, add ...	25/-	27/6	40/-

If with Nickel-plated Brass Trap to Waste Union, add P Trap, 10/6 ; S Trap, 12/6.

If with Nickel-plated Quarter-turn Valves with Ebony Handles, add 11/9 per pair.

# THE "WINDSOR" POLISHED MARBLE LAVATORY.

WITH POLISHED MAHOGANY INLAID SHERATON STAND.



No. 1144. **Polished Marble Lavatory**, with Dished Top 3 ft. long  $\times$  2 ft. 2 in. wide, 1 $\frac{1}{4}$  in. thick ; with Moulded Edge, Back Skirting 1 ft. 6 in. high, Glass Shelf with Brackets, Soap and Sponge Holders, supported on Polished Mahogany Inlaid Sheraton Stand. Fitted with best White Oblong Recessed Back, Basin 20 in.  $\times$  15 in. inside,  $\frac{1}{2}$ -in. White Lever-handle Hot and Cold Valves, exposed Standing Waste and Overflow combined. All Fittings Nickel-plated.

White Pentelikon Marble.  
£21 12 0

Statuary Marble.  
£22 8 0

Skyros Marble.  
£24 8 0

# THE "PORTLAND" POLISHED MARBLE LAVATORY.



No. 1145. **Polished Marble Lavatory**, Round Front, with Dished Top 2 ft. 9 in. long  $\times$  2 ft. wide,  $1\frac{1}{4}$  in. thick; with Moulded Edge, Shaped Back Skirting 1 ft. 6 in. high with 5 in. Shelf fitted on two Marble Brackets, supported on Nickel-plated Brass Fittings and Standards, with Towel Rail. Fitted with best White Oval Basin 20 in.  $\times$  15 in. inside with Quick Waste and Pull-up Fitting,  $\frac{1}{2}$ -in. White Lever-handle Hot and Cold Valves. All Fittings Nickel-plated.

White Pentelikon Marble.

£19 4 0

Skyros Marble.

£20 16 0



# THE "CROSBY" POLISHED MARBLE LAVATORY.



No. 1146. **Polished Marble Lavatory**, Top 2 ft. 6 in. long  $\times$  2 ft. wide,  $1\frac{1}{4}$  in. thick, with Moulded Edge, Back Skirting 12 in. high, Soap and Sponge Holders, supported on Nickel-plated Brass Framing and Standards, with Towel Rail. Fitted with best White Oval Basin,  $19\frac{1}{2}$  in.  $\times$  15 in. inside, with Quick Waste and Pull-up Fitting;  $\frac{1}{2}$ -in. Pillar Hot and Cold Valves. All Fittings Nickel-plated.

White Veined Marble.  
£10 8 6.

White Pentelikon Marble.  
£12 3 6.

Skyros Marble.  
£13 14 6.

This **Lavatory** can also be supplied with **Oblong Basin**, 20  $\times$  15 in. inside, at same price.

## POLISHED MARBLE LAVATORIES.



No. 1147. Polished Marble Bracket Lavatory, comprising 1 in. Marble Slab,  $\frac{3}{4}$ -in. Back Skirting, Soap and Sponge Holders. Fitted with White Porcelain Basin having Recessed Back and Open Overflow formed in Basin, Rod Waste,  $\frac{1}{2}$ -in. Pillar Hot and Cold Valves, supported on Brass Wall Brackets. All Fittings Nickel-plated.

White Sicilian Marble	...	...	£7 13 9
St. Ann's Marble	...	...	8 5 9
Statuary or White Pentelikon	...	...	8 14 6

Sizes.—Basin  $17\frac{1}{2}$  in.  $\times$   $13\frac{1}{2}$  in., Slab 2 ft. 4 in.  $\times$  1 ft. 10 in., Skirting 9 in. high.

Extra.—Bevelled Plate-glass Mirror, enclosed in White Enamelled Wood Frame, 30  $\times$  20 in. ... £2 15 0

No. 1148. All as above, but fitted with D-shaped Basin, 20  $\times$   $13\frac{1}{2}$  in., Recessed Back, Grid Overflow, and fitted with India-rubber Plug, Nickel-plated Waste and Union ... £7 13 9

Slab, 2 ft. 6 in.  $\times$  1 ft. 10 in.

No. 1149. Polished Marble Bracket Lavatory, comprising 1 in. Marble Slab,  $\frac{3}{4}$ -in. Back Skirting, Soap and Sponge Holders. Fitted with White Porcelain Basin having Recessed Back, Exposed Standing Brass Waste and Overflow,  $\frac{1}{2}$ -in. Pillar Hot and Cold Valves, supported on Porcelain Enamelled Brackets. All Fittings Nickel-plated.

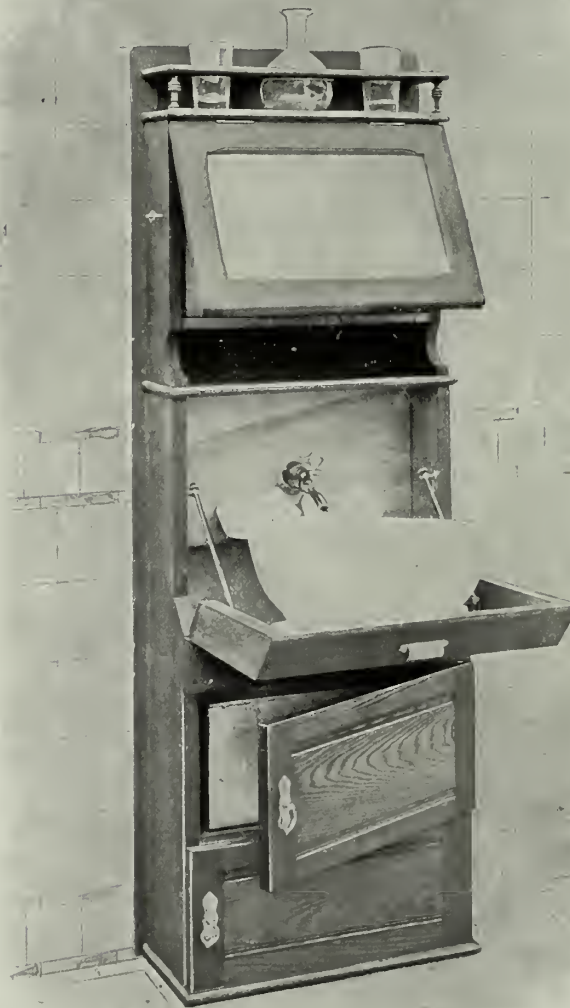
White Sicilian Marble	...	...	£7 13 9
St. Ann's Marble	...	...	8 5 9
Statuary or White Pentelikon	...	...	8 14 6

Sizes.—Basin  $17\frac{1}{2}$   $\times$   $13\frac{1}{2}$  in., Slab 2 ft. 4 in.  $\times$  1 ft. 11 in., Skirting 9 in. high.

Extra.—Bevelled Plate-glass Mirror, enclosed in White Enamelled Wood Frame, 30  $\times$  18 in. ... £2 15 0



## FOLDING CABINET LAVATORY.



No. 1150. **Folding Cabinet Lavatory**, self-contained. This Cabinet is suitable for where a direct water supply is not obtainable, or can be fitted direct if circumstances permit. Made in Mahogany, French Polished. Fitted with White Earthenware Anti-splash Rim Basin, Two Soap Trays, Single Valve, Stay Rods, Supply Tank, Receiver in Cupboard under Basin. All Fittings Nickel-plated. Adjustable Bevelled Silvered Mirror ... .. £8 0 0

Water Bottle and Tumbler not included.

Extras, Nett.—If Walnut or Oak, 6/6 ; Teak, 10/6 ; Double Mixing Valve for Hot and Cold Supply, 9/9.

Outside Sizes :

Height, 60 in. ; Width, 20½ in. ; Depth from Wall, 10 in. ; Open from Wall, 24¾ in. ; Basin, 15 × 15 in.



## FOLDING CABINET LAVATORY.



No. 1151. **Folding Cabinet Lavatory.** Made in Mahogany, French Polished. Fitted with White Earthenware Anti-splash Rim Basin, Two Soap Trays, Zinc Receiver, Waste and Tail Coupling, Single Valve, and Stay Rods. All Fittings Nickel-plated ... .. £4 0 0

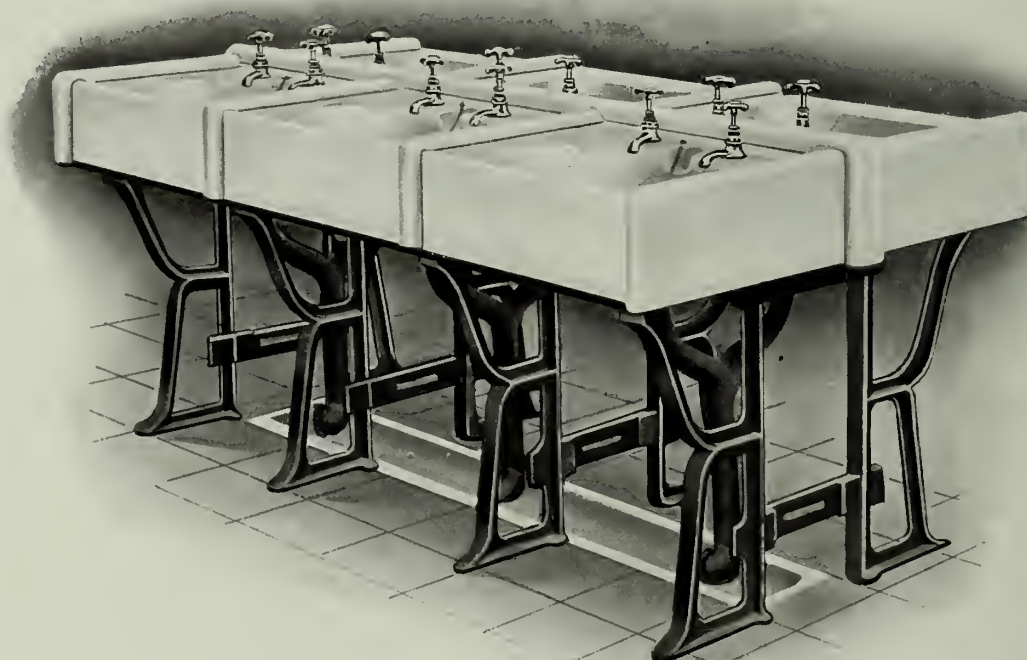
Extras, Nett.—If Walnut or Oak, 3/9 ; Teak, 7/3 ; Double Mixing Valve for Hot and Cold Supply, 9/9.

Outside Sizes :

Height, 19½ in. ; Width, 20½ in. ; Depth from Wall, 9 in. ; Open from Wall, 24 in. ; Size of Basin, 15 × 15 in.

# PORCELAIN ENAMELLED FIRECLAY LAVATORIES.

## DOUBLE RANGE.

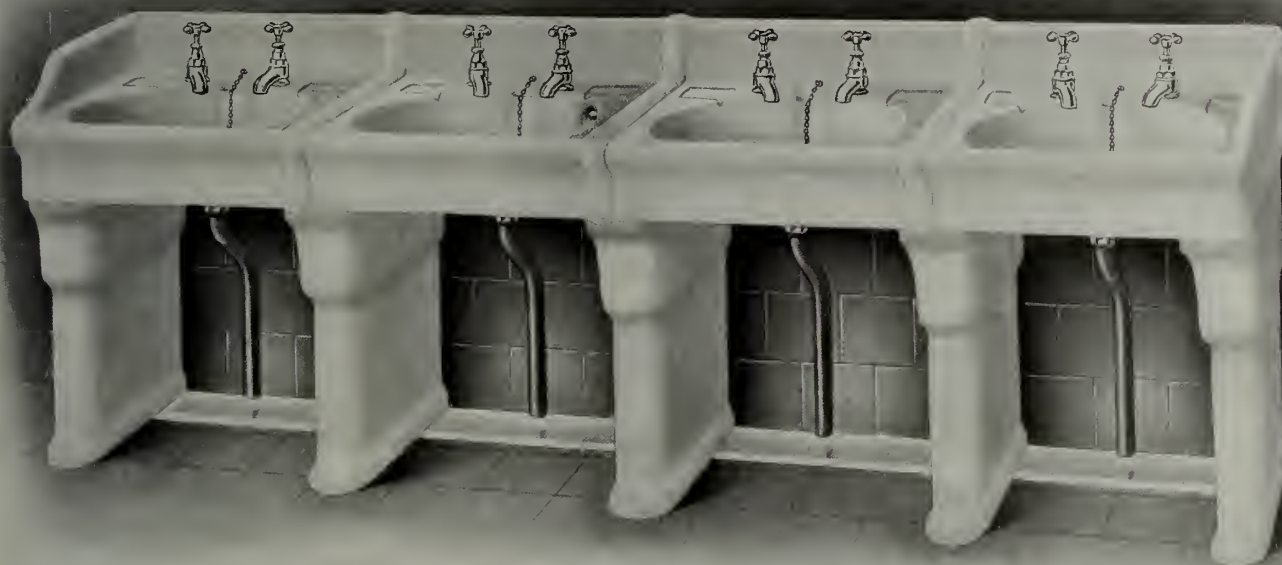


No. 1155. **Double Range of Lavatories**, comprising White Porcelain Enamelled Fireclay Basins, with Overlap Joints, White Enamelled Fireclay Floor Channel,  $\frac{1}{2}$ -in. Gun-metal Hot and Cold Valves, Waste Outlets and Unions, Rubber Plugs with Chain and Chain Stays to each Basin,  $1\frac{1}{2}$  in. Painted Cast-iron Waste Pipes and Painted Cast-iron Floor Standards.

### PRICES.

Size of Basin overall	...	...	...	...	...	...	...	...	...	24 × 18 in.
Range of Six Basins, as illustrated	...	...	...	...	...	...	...	...	...	£24 6 6
For every additional Double Lavatory and Fittings	add	...	...	...	...	...	...	...	...	£7 5 9 per pair.
If Fittings Nickel-plated	add	...	...	...	...	...	...	...	...	3/9 per Basin.

# PORCELAIN ENAMELLED FIRECLAY LAVATORIES.



No. 1156. **Lavatory Range**, comprising Three White Porcelain Enamelled Fireclay Basins, with Overlap Joints and Skirting to back and ends, Open Weir or Grid Overflows,  $\frac{1}{2}$ -in. Gun-metal Hot and Cold Valves, Waste Outlets, Plug with Chain and Chain Stay to each Basin, Galvanized Waste Pipes and White Enamelled Fireclay Floor Channel with Socket Inlets and Brass Grating over Outlet, White Porcelain Enamelled Fireclay Pedestals.

## PRICES.

Size of Basin overall	...	...	...	...	...	20×18 in.	24×18 in.	26×20 in.
Range of Three Basins, as illustrated	...	...	...	...	...	£10 16 3	£11 15 3	£12 10 6
For each additional Basin <i>add</i>	...	...	...	...	...	3 4 6	3 10 0	3 14 0

If Fittings Nickel-plated *add* 3/9 per Basin.



## PORCELAIN ENAMELLED FIRECLAY LAVATORIES.



No. 1157. **Lavatory Range**, comprising White Porcelain Enamelled Fireclay Basins, with Overlap Joints and Skirting to back and ends, Open Weir or Grid Overflows,  $\frac{1}{2}$ -in. Gun-metal Hot and Cold Valves, Waste Outlets and Union, Plug with Chain and Chain Stay to each Basin, Painted Cast-iron Waste Pipes and Connections to each Basin, Painted Cast-iron Standards with Adjustable Clips.

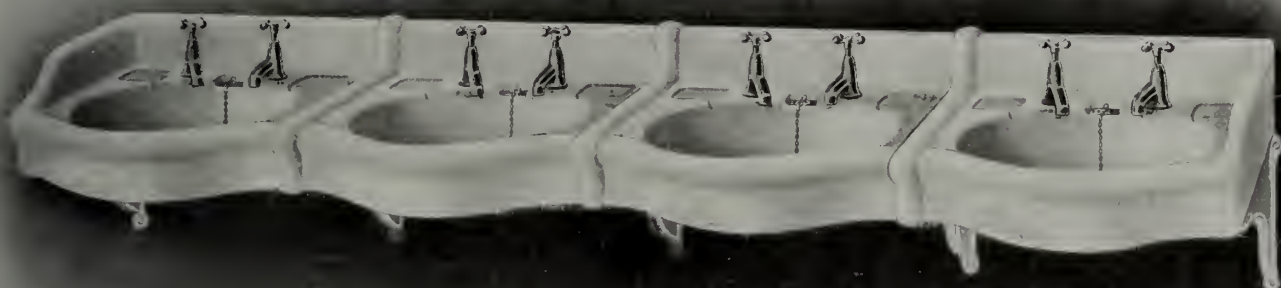
### PRICES.

Size of Basin overall	...	...	...	...	...	20 × 18 in.	24 × 18 in.	26 × 20 in.
Range of Three Basins	...	...	...	...	...	£8 5 3	£9 10 6	£10 10 0
For each additional Basin <i>add</i>	...	...	...	...	...	2 10 3	2 18 9	3 6 9

If Fittings Nickel-plated *add* ... .. 3/9 per Basin.

If Waste Pipes and Standards Galvanized *add* ... 8/9 „

# PORCELAIN ENAMELLED FIRECLAY LAVATORIES.

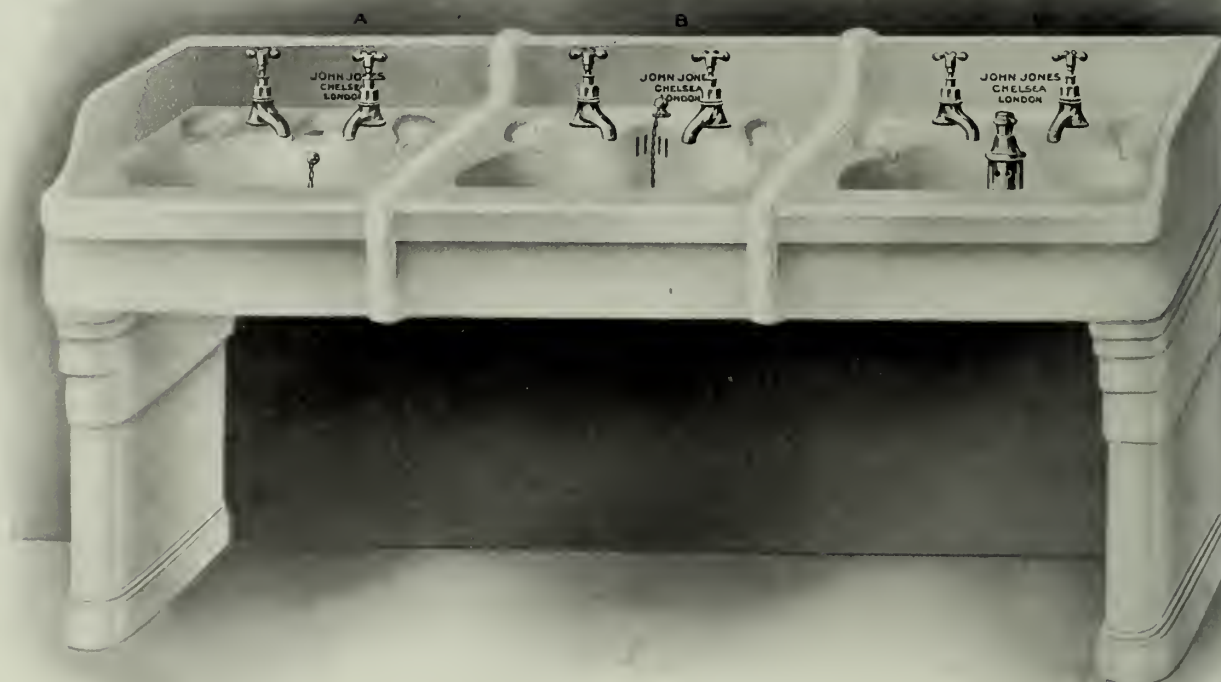


No. 1158. **Lavatory Range**, comprising White Porcelain Enamelled Fireclay Basins, with Overlap Joints and Skirtings to back and ends, Open Weir or Grid Overflows,  $\frac{1}{2}$ -in. Gun-metal Hot and Cold Valves, Waste Outlets and Union, Plug with Chain and Chain Stay to each Basin, Painted Cast-iron Brackets to support Basins.

## PRICES (not including Waste Pipes).

Size of Basin overall	...	...	...	...	...	20 × 18 in.	24 × 18 in.	26 × 20 in.
Range of Three Basins	...	...	...	...	...	£6 18 9	£7 14 0	£8 8 0
For each additional Basin <i>add</i>	...	...	...	...	...	2 4 0	2 9 6	2 13 3
If Fittings Nickel-plated <i>add</i>						...	3/9 per Basin.	
If Cast-iron Brackets Galvanized <i>add</i>						...	2/6	„

# PORCELAIN ENAMELLED FIRECLAY LAVATORIES.



No. 1159. **Lavatory Range**, comprising White Porcelain Enamelled Fireclay Basins, with Overlap Joints and Skirtings to back and ends,  $\frac{1}{2}$ -in. Gun-metal Hot and Cold Valves, White Porcelain Enamelled Fireclay Pedestals at end of Range, and Painted Cast-iron Brackets to support centre.

## PRICES (not including Waste Pipes).

Size of Basin overall	...	...	...	...	...	20 × 18 in.	24 × 18 in.	26 × 20 in.
Range of Three Basins, with Waste Outlet as "A" and "B"						£7 5 0	£8 0 0	£8 15 0
Do. do. do. Exposed Standing Waste as "C"						8 15 0	9 10 0	10 5 0
For each additional Basin as "A" and "B" add	...					2 2 0	2 7 6	2 10 0
Do. do. do. "C" add	...					2 12 0	2 17 6	3 0 0

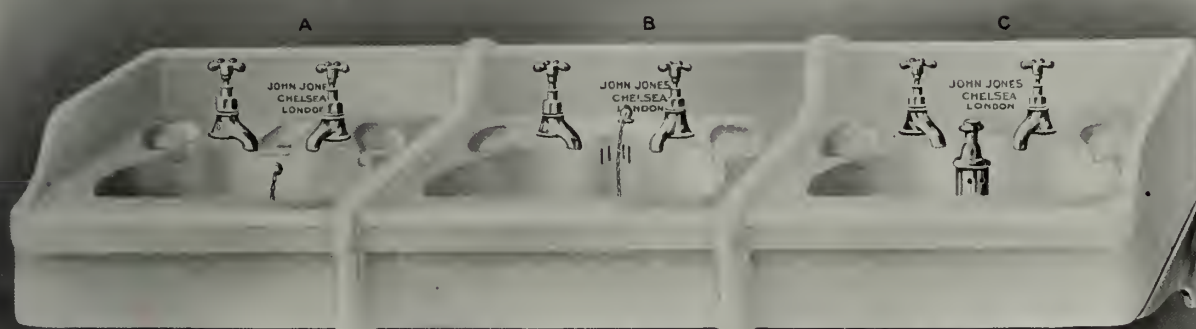
If Fittings Nickel-plated as "A" and "B" add 3/9; as "C" add 5/- per Basin.

If Centre Brackets Galvanized add ... .. 2/6 ..

Copper, Brass, Lead or Cast-iron Waste Pipes quoted to Specification.



# PORCELAIN ENAMELLED FIRECLAY LAVATORIES.



No. 1160. **Lavatory Range**, comprising White Porcelain Enamelled Fireclay Basins, with Overlap Joints and Skirtings to back and ends,  $\frac{1}{2}$ -in. Gun-metal Hot and Cold Valves, Painted Cast-iron Brackets to support Basins.

## PRICES (not including Waste Pipes).

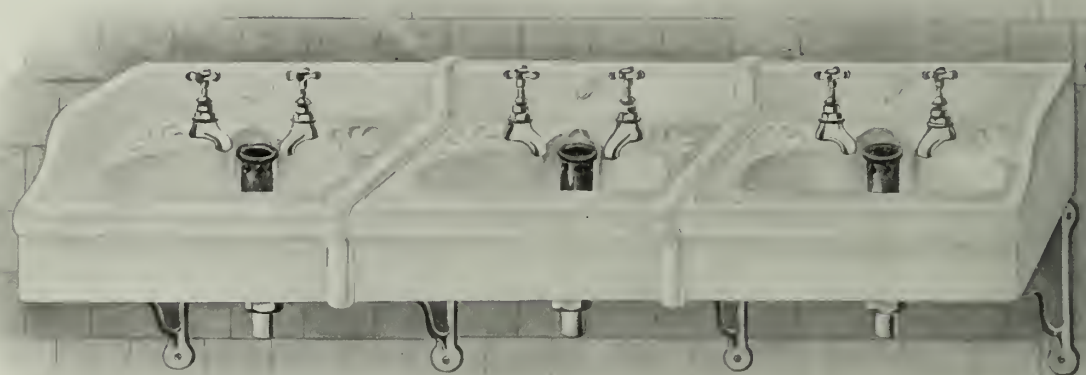
Size of Basin overall	...	...	...	...	...	20 × 18 in.	24 × 18 in.	26 × 20 in.
Range of Three Basins, with Waste Outlet as "A" and "B"						£6 5 0	£7 0 0	£7 15 0
Do.	do.	do.	Exposed Standing Waste as "C"			7 15 0	8 10 0	9 5 0
For each additional Basin as "A" and "B" add	...	...				2 2 0	2 7 6	2 10 0
Do.	do.	do.	"C" add	...	...	2 12 0	2 17 6	3 0 0

If Fittings Nickel-plated as "A" and "B" add 3/9; as "C" add 5/- per Basin.

If Cast-iron Brackets Galvanized add ... .. 2/6 ..

**Copper, Brass, Lead or Cast-iron Waste Pipes** quoted to Specification.

# PORCELAIN ENAMELLED FIRECLAY LAVATORIES.



No. 1161. **Lavatory Range**, comprising White Porcelain Enamelled Fireclay Basins, with Overlap Joints and Skirtings to back and ends,  $\frac{1}{2}$ -in. Gun-metal Hot and Cold Valves, Vulcanite Standing Combined Wastes and Overflow with Hook to each Basin, Painted Cast-iron Cantilever Brackets to support Basins.

## PRICES (not including Waste Pipes).

Size of Basin overall ...	24	18 in.	26 × 20 in.
Range of Three Basins ...	£10	3 9	£10 17 3
For each additional Basin <i>add</i> ...	3	9 6	3 12 0
If Fittings Nickel-plated <i>add</i> ...	3/9	per Basin.	
If Cast-iron Brackets Galvanized <i>add</i> ...	2 6	„	



No. 1162. **School Lavatory Range**, comprising White Porcelain Enamelled Fireclay Basins, with Separate Overlap Jointing Pieces and Corbel Fixing, as illustrated, Gun-metal Spring Push Valves, Open Weir Overflow, and Safety Plug, Waste and Union, with Chain and Chain Stay to each Basin.

## PRICES (not including Waste Pipes).

Size of Basin overall ...	20	16 in.	
Range of Three Basins ...	£6	9 0	
For each additional Basin <i>add</i> ...	2	3 0	
Painted Cast-iron Waste Pipes and Connections <i>add</i> ...	0	15 0	per Basin.

# PORCELAIN ENAMELLED FIRECLAY SCHOOL LAVATORIES.

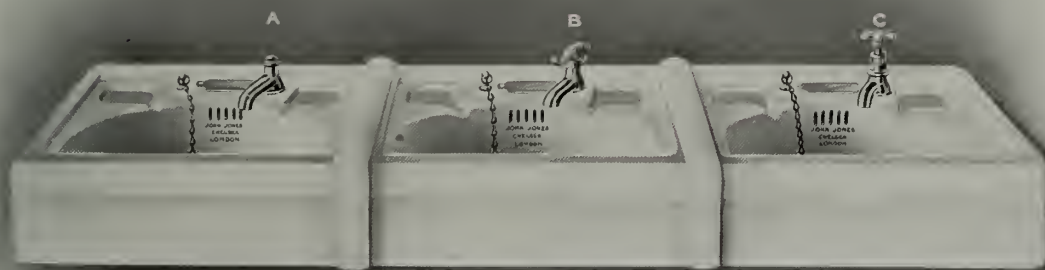
WITH CORBEL FIXING.



No. 1163. **School Lavatory Range**, comprising White Porcelain Enamelled Fireclay Basins, with Separate Overlap Jointing Pieces and Corbel Fixing, as illustrated,  $\frac{1}{2}$ -in. Hot and Cold Gun-metal Valves, Brass Access Plate fitted over Overflow, and Safety Plug, Waste and Union, with Chain and Chain Stay to each Basin.

## PRICES (not including Waste Pipes).

Size of Basin overall ...	...	...	...	...	...	...	...	20 x 18 in.
Range of Three Basins ...	...	...	...	...	...	...	...	£7 6 6 per Basin.
For each additional Basin <i>add</i> ...	...	...	...	...	...	...	...	2 10 0 „



No. 1164. **School Lavatory Range**, comprising White Porcelain Enamelled Fireclay Basins, with Separate Overlap Jointing Pieces and Corbel Fixing, as illustrated, Spring Push ("A" Pattern), Gun-metal Cold Valves, Brass Access Plate fitted over Overflow, and Safety Plug, Waste and Union, with Chain and Chain Stay to each Basin.

## PRICES (not including Waste Pipes).

Size of Basin overall ...	...	...	...	...	...	...	...	20 x 18 in.
Range of Three Basins ...	...	...	...	...	...	...	...	£6 9 9
For each additional Basin <i>add</i> ...	...	...	...	...	...	...	...	2 4 3 per Basin.
If fitted with Spring Lever Valve ("B" Pattern) <i>add</i> ...	...	...	...	...	...	...	...	0 3 6 „
„ „ Screw-down Pillar Valves ("C" Pattern) <i>add</i> ...	...	...	...	...	...	...	...	0 1 6 „

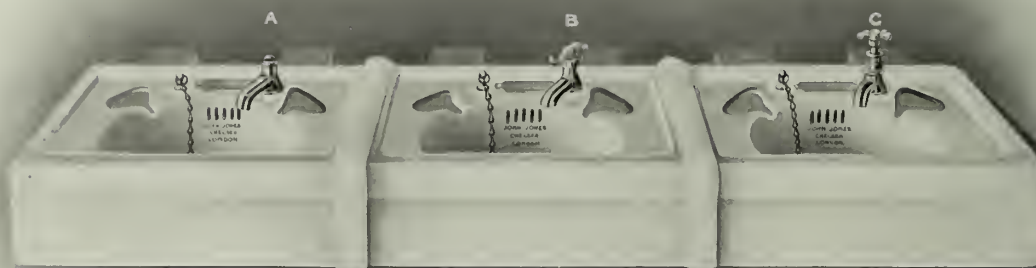
Cast-iron or Lead Waste Pipes quoted for to Specification.

White Glazed Lavatory Floor Channels and Connections, see page 126.



# PORCELAIN ENAMELLED FIRECLAY SCHOOL LAVATORIES.

WITH CORBEL FIXING.



No. 1165. **School Lavatory Range**, comprising White Porcelain Enamelled Fireclay Basins, with Separate Overlap Jointing Pieces and Corbel Fixing, as illustrated, Spring Push ("A" Pattern), Gun-metal Cold Valves, Brass Access Plate fitted over Overflow, and Safety Plug, Waste and Union, with Chain and Chain Stay to each Basin.

## PRICES (not including Waste Pipes).

Size of Basin overall ...	...	...	...	...	...	...	20 × 16 in.
Range of Three Basins ...	...	...	...	...	...	...	£5 5 3
For each additional Basin <i>add</i> ...	...	...	...	...	...	...	1 16 0 per Basin.
If fitted with Spring Lever Valves ("B" Pattern) <i>add</i> ...	...	...	...	...	...	...	0 3 6 "
" " Screw-down Pillar Valves ("C" Pattern) <i>add</i> ...	...	...	...	...	...	...	0 1 6 "



No. 1166. **School Lavatory Range**, comprising White Porcelain Enamelled Fireclay Basins, with Overlap Joints and Corbel Fixing, Galvanized Supply Pipe with Spray Nozzles for continuous supply, Gun-metal Grated Wastes and Unions to each Basin.

## PRICES.

Size of Basin overall ...	...	...	...	...	...	...	18 × 14 × 6 in. 3 in. Skirting.
Range of Three Basins ...	...	...	...	...	...	...	£5 15 0
For each additional Basin <i>add</i> ...	...	...	...	...	...	...	1 18 6 per Basin.

Cast-iron or Lead Waste Pipes quoted for to Specification.

White Glazed Lavatory Floor Channels and Connections, see Page 126.

# PORCELAIN ENAMELLED FIRECLAY SCHOOL LAVATORIES.

DOUBLE RANGE.



No. 1167. **Double Range of School Lavatories**, comprising White Porcelain Enamelled Fireclay Double Basins in one piece with Overlap Joints, White Enamelled Fireclay Floor Channel,  $\frac{1}{2}$ -in. Gun-metal Cold Valves, Safety Plug, Waste and Union, with Chain and Chain Stay to each Basin,  $1\frac{1}{2}$  in. Painted Cast-iron Waste Pipes and Painted Cast-iron Floor Standards.

## PRICES.

Pair of Basins, Sizes overall	...	...	...	...	...	...	...	...	31 × 18 in.
Range of Six Basins, as illustrated	...	...	...	...	...	...	...	...	£17 13 6
For each additional Double Lavatory and Fittings <i>add</i>	...	...	...	...	...	...	...	...	5 18 0 per pair.

Also made in Buff Enamelled Glazed Fireclay.

# PORCELAIN ENAMELLED FIRECLAY LAVATORIES.



No. 1168. Square Front Lavatory, in White Porcelain Enamelled Fireclay, D-shaped Basin with Overflow, Galvanized Cast-iron Brackets,  $\frac{1}{2}$ -in Gun-metal Hot and Cold Valves, Waste Outlet and Union, Vulcanite Plug with Chain and Chain Stay.

	Inches.		Inches.	
Sizes overall ...	24	$18 \times 6$	...	26 $\times 20 \times 6$
Sizes of Basin...	19	$12 \frac{1}{2}$	...	21 $\times 13 \frac{1}{2}$
Prices ...	£2	15 0	...	£3 0 0

Extra if Fittings Nickel-plated, 3/9 per Basin.

No. 1169. Angular Lavatory, in White Porcelain Enamelled Fireclay, with Side Skirtings, Hexagonal Front, D-shaped Basin with Overflow,  $\frac{1}{2}$ -in. Gun-metal Hot and Cold Valves, Waste Outlet and Union, Vulcanite Plug with Chain and Chain Stay, Painted Cast-iron Brackets.

	Inches.		Inches.	
Sizes overall ...	27	$20 \times 6$	...	30 $\times 22 \times 7$
Sizes of Basin...	16	$12$	...	18 $\times 12 \frac{1}{2}$
Prices ...	£2	10 0	...	£3 2 6

Extra if Fittings Nickel-plated,  
3/9 per Basin.



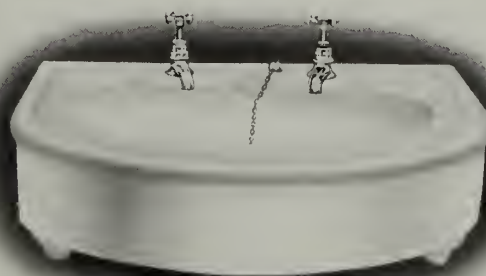


# PORCELAIN ENAMELLED FIRECLAY LAVATORIES.



No. 1170. Angular Lavatory, with Overflow, Fireclay Brackets,  $\frac{1}{2}$  in. Gun-metal Hot and Cold Valves, Waste Outlet and Union, Rubber Plug with Brass Chain and Chain Stay.

Size overall.	Basin.	PRICE.
21 $\times$ 15 $\times$ 7 in. ...	14 $\times$ 11 in. ...	£2 16 6



No. 1171. Round Front Lavatory, with Overflow, Fireclay Brackets,  $\frac{1}{2}$  in. Gun-metal Hot and Cold Valves, Waste Outlet and Union, Rubber Plug with Brass Chain and Chain Stay.

Size overall.	Basin.	PRICE.
24 $\times$ 18 $\times$ 7 in. ...	17 $\frac{1}{2}$ $\times$ 13 in. ...	£3 6 3
26 $\times$ 19 $\times$ 7 in. ...	21 $\times$ 13 in. ...	3 10 6



No. 1172. Square Front Lavatory, with Skirting and Overflow, Fireclay Brackets,  $\frac{1}{2}$  in. Gun-metal Hot and Cold Valves, Waste Outlet and Union, Rubber Plug with Brass Chain and Chain Stay.

Size overall.	Basin.	PRICE.
24 $\times$ 18 $\times$ 7 in. ...	18 $\times$ 13 in. ...	£3 14 3

Cast-iron Brackets for above supplied to order at slight extra.



No. 1173. Round Front Lavatory, with Skirting and Overflow, Fireclay Brackets,  $\frac{1}{2}$  in. Gun-metal Hot and Cold Valves, Waste Outlet and Union, Rubber Plug with Brass Chain and Chain Stay.

Size overall.	Basin.	PRICE.
22 $\times$ 18 $\times$ 7 in. ...	15 $\times$ 12 in. ...	£3 10 6

Cast-iron Brackets for above supplied to order at slight extra.



No. 1174. Round Front Lavatory, with Weir Overflow, Corbel Fixing,  $\frac{1}{2}$  in. Gun-metal Cold Valve only, Waste Outlet and Union, Rubber Plug with Brass Chain and Chain Stay.

Size overall.	Basin.	PRICE.
16 $\times$ 18 $\times$ 7 in. ...	13 $\times$ 11 $\frac{1}{2}$ in. ...	£1 18 6

# PORCELAIN ENAMELLED FIRECLAY HOSPITAL LAVATORIES.



No. 1175. **White Porcelain Enameled Fireclay Lavatory**, with Corbel Fixing, as illustrated, Gun-metal Hot and Cold Valves and with Capstan Heads, Gun-metal Waste with Vulcanite Plug, Chain and Chain Stay ... .. £2 15 0

Size of Basin overall, 20 × 18 in.

Extra for 1½ in. Brass Trap with Detachable Unions, 8/9 each.



No. 1176. **White Porcelain Enameled Fireclay Angular Lavatory**, with Corbel Fixing, as illustrated, Gun-metal Hot and Cold Valves with Capstan Heads, Gun-metal Waste with Vulcanite Plug, Chain and Chain Stay. ... .. £4 0 0

Extra for 1½ in. Brass Trap with Detachable Unions, 8/9 each.

## HOSPITAL LAVATORY.



No. 1177. **White Porcelain Enamelled Fireclay Hospital Lavatory** with Corbel Fixing, Solid-drawn Copper Swan-neck Hot and Cold Fitting, supplies actuated by Treadle-action Fittings, Gun-metal Detachable Trap and Union with Treadle-action Fittings actuating Waste, as illustrated ... .. £12 15 0

Size of Basin overall, 20 × 18 in.

**London Works** are adapted, and special attention given to the carrying out of Hospital Fittings of every description.



# “DENMAN” HOSPITAL LAVATORY.

AS SUPPLIED TO METROPOLITAN ASYLUMS BOARD, FOR ISOLATED CUBICLES, AND VARIOUS HOSPITALS AT HOME AND ABROAD.

AWARDED BRONZE MEDAL FROM THE ROYAL SANITARY INSTITUTE, 1907.



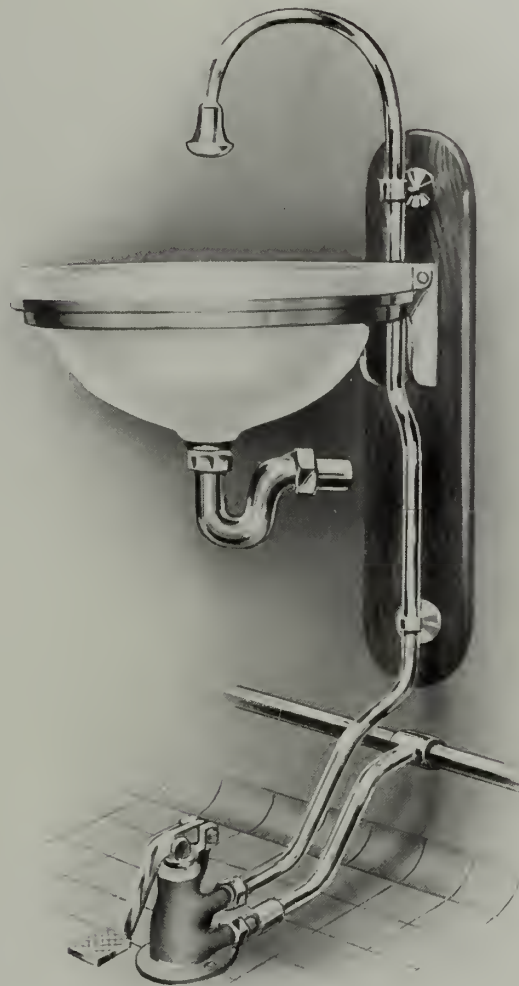
This **Lavatory** is recommended for use in cubicles of Infectious Disease Hospitals, the complete combination forming a first-class Sanitary Fitting. As will be seen from the illustration, a Porcelain Basin is provided, standing on a Bracket clear of the wall or partition. Instead of usual water taps, which must be handled in order to be used, a Pedal-action Spray is provided to discharge water at a convenient height over the centre of the Basin. The hands can then be washed in a running spray of clean water. The Basin also having a Flushing Rim cleanses itself each time it is used.

## PRICES.

No. 1178.	<b>Hospital Lavatory,</b>	with Pedal-action Spray and Flushing Rim	...	£3 10 0	each.
„ 1178A.	<b>Do.</b>	do.	without Flushing Rim	3 7 6	„

# “LISTER” HOSPITAL LAVATORY.

AS SUPPLIED TO METROPOLITAN ASYLUMS BOARD AND VARIOUS HOSPITALS  
AT HOME AND ABROAD.



Above is a similar **Lavatory** to that shewn on preceding page, with exception that Pedal-action Valve is fixed on floor. Plain Porcelain Basin is provided with Copper Supply Pipes clipped to and including Wood Plate.

No. 1179. **Price**, complete as illustrated ... .. £3 15 0

## SLATE LAVATORY RANGE.



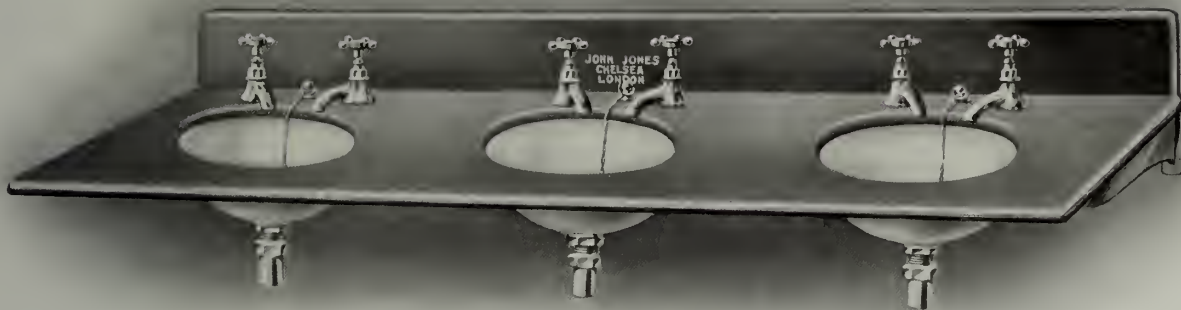
No. 1180. **Slate Lavatory Range**, with Top  $1\frac{1}{4}$  in. thick, 2 ft. to 2 ft. 6 in. per person, with Skirting at back 4 in. to 6 in. high, fitted with best White Porcelain **Oval Basins**, with Quick Waste and Pull-up Fitting, Basin clipped to slab, Dished Soap Trays drained into Basins, Gun-metal Hot and Cold Screw-down Valves, and Waste Pulls.

### PRICES.

				Plain Slate.
With Oval Basins, $18\frac{1}{2} \times 13$ in. inside diameter, as illustrated	...	...		£4 8 0 per Person.
„ $19\frac{1}{2} \times 15$ in.	„	...	...	4 10 0 „
„ $18 \times 13$ in.	„	with Vulcanite Plug and Chain		3 0 0 „
„ $21 \times 14$ in.	„	„	„	3 4 6 „
				Painted. Galvanized.
Extra Cast-iron Standards and Wrought-iron Framing	...	15/-		26/3 per Person.
„ „ Cantilever Brackets	...	7/6		12/6 „



## SLATE LAVATORY RANGE.



No. 1181. **Slate Lavatory Range** with Top  $1\frac{1}{4}$  in. thick, 2 ft. to 2 ft. 6 in. long per person, with Skirting at back 4 in. to 6 in. high, fitted with best White Porcelain **Round Basins**, with Overflows, Basin clipped to Slab, Dished Soap Trays drained into Basins, Gun-metal Hot and Cold Screw-down Valves, and Washers with Vulcanite Plugs and Chains.

### PRICES.

						Plan Slate.	
With Round Basins, 12 in. inside diameter	...	...	...	...	...	£2 8 9	per Person.
„ „ 14 in.	„	...	...	...	...	2 18 0	„
						Painted.	Galvanized.
Extra Cast-iron Standards and Wrought-iron Framing	...	...	...	...	15/-	26/3	per Basin.
„ „ Cantilever Brackets	...	...	...	...	7/6	12/6	„

# PORCELAIN ENAMELLED CAST-IRON LAVATORIES.



No. 1182. **Cast-iron Lavatory Basin**, White Porcelain Enamelled, with Back and Basin in one piece, supported by Secret Hanging Brackets,  $\frac{1}{2}$ -in. Hot and Cold Lever-handle Valves, Hinged Overflow Grating, Waste and Union, Plug with Chain and Chain Stay, Tumbler Holders with Tumbler and Tooth Brush Fittings complete. All Fittings Nickel-plated.

Sizes :

Overall.		Basin.								PRICE.
28 $\frac{1}{2}$ × 20 in.	...	21 × 13 in.	...	...	...	...	...	...	...	£5 2 0

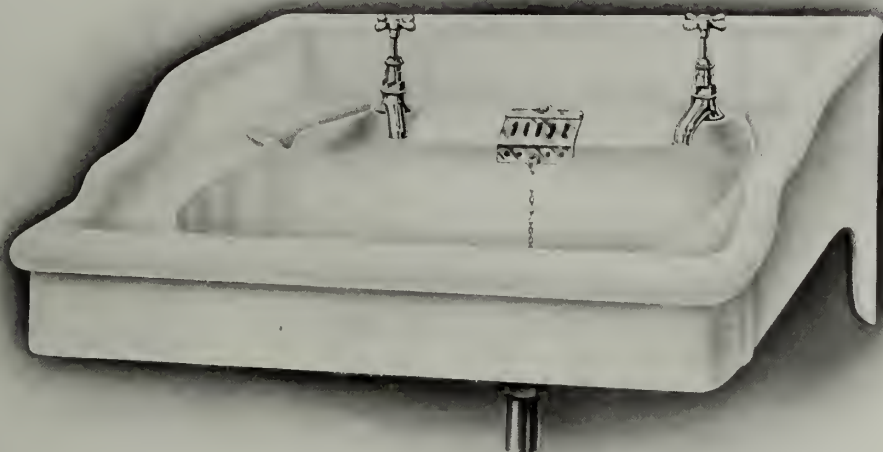


No. 1183. **Cast-iron Lavatory Basin**, White Porcelain Enamelled, with Back and Basin in one piece, supported on Secret Hanging Brackets,  $\frac{1}{2}$ -in. Hot and Cold Pillar Valves, Grid Overflow, Waste and Union, Plug with Chain and Chain Stay, Tumbler Holders with Tumbler and Tooth Brush Fittings complete. All Fittings Nickel-plated.

Sizes :

Overall.		Basin.								PRICE.
22 × 19 in.	...	15 × 12 in.	...	...	...	...	...	...	...	£3 14 6

# PORCELAIN ENAMELLED CAST-IRON LAVATORIES.



No. 1184. Cast-iron Lavatory Basin, White Porcelain Enamelled, with Skirting Back and Sides, Frieze and Brackets,  $\frac{1}{2}$ -in. Hot and Cold Pillar Valves, Hinged Overflow Grating, Waste and Union, Plug with Chain and Chain Stay.

Overall.		Basin.		PRICES.	
25	× 18 in. ...	19	× 12 in. ...	£3	13 3
27	× 19 in. ...	21	× 13 in. ...	3	16 9

Extra Nickel-plated Fittings, 3/9.



No. 1185. Cast-iron Lavatory Basin, White Porcelain Enamelled, with Skirting Back and Sides, Frieze and Brackets,  $\frac{1}{2}$ -in. Hot and Cold Pillar Valves, Hinged Overflow Grating, Waste and Union, Plug with Chain and Chain Stay.

Overall.		Basin.		PRICES.	
25	× 18 in. ...	19	× 12 in. ...	£3	13 3
27	× 19 in. ...	21	× 12 in. ...	3	16 9

Extra Nickel-plated Fittings, 3/9.



# "CROWN" PORCELAIN LAVATORY SUITE.



No. 1186. **Lavatory Suite**, as illustrated, comprising White Glazed Basin with Skirting, Plain Roll Edge, Grid Overflow,  $\frac{1}{2}$ -in. Hot and Cold Pillar Valves, Waste Outlet and Trap, Plug with Chain and Chain Stay. Supported on Framing and Standards. Tumbler Holder and Bevelled Circular Mirror with Plain White Frame. All Fittings Nickel-plated.

Sizes :

Overall.		Basin.		PRICES.
25 × 18 in.	...	19 × 11 $\frac{1}{2}$ in.	...	£11 6 6
27 × 19 in.	...	20 × 12 in.	...	11 10 6
30 × 22 in.	...	23 × 15 in.	...	12 0 0

# "CORONET" PORCELAIN LAVATORY SUITE.



No. 1187. **Lavatory Suite**, as illustrated, comprising White Glazed Basin, with Skirting, Plain Roll Edge, Grid Overflow,  $\frac{1}{2}$ -in. Combination Screw-down Valves with Stand Pipe, Swivel Valve and Rose Fitting, Waste Outlet and Union, Plug with Chain and Chain Stay, supported on Brass Framing and Standards. All Fittings Nickel-plated.

Sizes :

Overall.		Basin.		PRICES.
25 × 18 in.	...	18½ × 12 in.	...	£5 10 3
27 × 19 in.	...	20 × 12 in.	...	5 12 9
30 × 22 in.	...	23 × 15 in.	...	7 0 0

Extra.—**Best Polished Plate-Glass Silvered Mirror**, 24 × 18 in. with Bevelled Edge ... £1 5 0

For Tumblers and Brush Holders, see pages 173—176.

Extra for 1¼ in. Nickel-plated Brass P Trap ... 10/6

Can also be supplied with Supply and Waste Pipes to Floor.

# "CROWN" PORCELAIN PEDESTAL LAVATORY.



No. 1188. **Pedestal Lavatory** in White Glazed Ware, with Round Front and Skirting, Pedestal, Grid Overflow, Brass Hot and Cold Pillar Valves, Brass Waste Outlet and Union, Vulcanite Plug with Brass Chain and Chain Stay.

Sizes :

Overall.		Basin.		PRICES.
25 × 18 in.	...	18 × 12½ in.	...	£3 18 9
27 × 19 in.	...	19½ × 13 in.	...	4 5 9
30 × 22 in.	...	21 × 16 in.	...	5 3 3

Extra Nickel-plated Fittings, 3/9.



# "CROWN" PORCELAIN PEDESTAL LAVATORY.



No. 1189. **Pedestal Lavatory** in White Glazed Ware, with Square Front and Skirting, Pedestal, Grid Overflow, Brass Hot and Cold Pillar Valves, Brass Waste Outlet and Union, Vulcanite Plug with Brass Chain and Chain Stay.

Sizes :				PRICE.
Overall.		Basin.		
27 × 19 in.	...	19½ × 13 in.	...	£4 5 9
Extra Nickel-plated Fittings, 3/9.				

# "CROWN" SEMI-PORCELAIN LAVATORIES.

INCLUDING FITTINGS.



No. 1190. Square Front Lavatory, in White Glazed Ware, with Skirting, Plain Roll Edge, Grid Overflow, Brass Hot and Cold Pillar Valves, Brass Waste Outlet and Union, Plug with Brass Chain and Chain Stay, supported on Cast-iron Brackets, White Porcelain Enamelled.

Sizes :								PRICES.
Overall.		Basin.						
25 × 18 in.	...	...	19 × 11½ in.	...	...	...	...	£2 8 9
27 × 19 in.	...	...	20 × 12 in.	...	...	...	...	2 9 3

Extra for Nickel-plated Fittings, 3/9.



No. 1191. Square Front Lavatory, in White Glazed Ware, with Skirting, Plain Roll Edge, Weir Overflow, "Ideal" Lever-action Waste, Brass Hot and Cold Pillar Valves, Waste Outlet and Union, supported on Cast-iron Brackets, White Porcelain Enamelled.

Sizes :								PRICES.
Overall.		Basin.						
25 × 18 in.	...	...	19 × 11½ in.	...	...	...	...	£3 2 0
27 × 19 in.	...	...	20 × 12 in.	...	...	...	...	3 3 0

Extra for Nickel-plated Fittings, 3/9.

# "CROWN" SEMI-PORCELAIN LAVATORIES.

INCLUDING FITTINGS.



No. 1192. **Square Front Lavatory**, in White Glazed Ware, with Skirting, Plain Roll Edge, Open Overflow and Brass Grating, Brass Hot and Cold Pillar Valves, Brass Waste Outlet and Union, Rubber Plug with Brass Chain and Chain Stay, Polished Brass Bracket Supports.

Sizes :

Overall.				Basin.					PRICES.
22 × 16 in.	...	...	...	16 × 9 $\frac{1}{2}$ in.	...	...	...	...	£2 14 0
25 × 18 in.	...	...	...	19 × 11 $\frac{1}{2}$ in.	...	...	...	...	2 18 3
27 × 19 in.	...	...	...	20 × 12 in.	...	...	...	...	3 1 0
30 × 22 in.	...	...	...	23 × 15 in.	...	...	...	...	4 6 6



No. 1193. **Round Front Lavatory**, in White Glazed Ware, with Skirting, Plain Roll Edge, Open Overflow and Brass Grating, Brass Hot and Cold Pillar Valves, Brass Waste Outlet and Union, Rubber Plug with Brass Chain and Chain Stay, Polished Brass Bracket Supports.

Sizes :

Overall.				Basin.					PRICES.
22 × 16 in.	...	...	...	16 × 9 $\frac{1}{2}$ in.	...	...	...	...	White. £2 14 0
25 × 18 in.	...	...	...	19 × 11 $\frac{1}{2}$ in.	...	...	...	...	2 18 3
27 × 19 in.	...	...	...	20 × 12 in.	...	...	...	...	3 1 0
30 × 22 in.	...	...	...	23 × 15 in.	...	...	...	...	4 6 6
Extra for Nickel-plated Fittings				...	...	...	...	...	7/6
,, 1 $\frac{1}{4}$ in. Nickel-plated Brass P Trap				...	...	...	...	...	10/6



# "CROWN" SEMI-PORCELAIN LAVATORIES.

INCLUDING FITTINGS.



No. 1194. **Square Front Lavatory**, in White Glazed Ware, with Skirting, Plain Roll Edge, Grid Overflow, Brass Hot and Cold Pillar Valves, Brass Waste Outlet and Union, Rubber Plug with Brass Chain and Chain Stay, Painted Cast-iron Brackets.

Sizes :

Overall.				Basin.					PRICES.
22 × 16 in.	...	...	...	17 × 10 $\frac{1}{2}$ in.	...	...	...	...	£2 0 9
25 × 18 in.	...	...	...	18 $\frac{1}{2}$ × 12 in.	...	...	...	...	2 3 6
27 × 19 in.	...	...	...	20 × 13 in.	...	...	...	...	2 6 0
30 × 22 in.	...	...	...	22 × 16 in.	...	...	...	...	3 11 3



No. 1195. **Round Front Lavatory**, in White Glazed Ware, with Skirting, Plain Roll Edge, Grid Overflow, Brass Hot and Cold Pillar Valves, Brass Waste Outlet and Union, Rubber Plug with Brass Chain and Chain Stay, Painted Cast-iron Brackets.

Sizes :

Overall.				Basin.					PRICES.
22 × 16 in.	...	...	...	14 $\frac{1}{4}$ × 9 $\frac{3}{4}$ in.	...	...	...	...	£2 0 9
25 × 18 in.	...	...	...	18 $\frac{1}{2}$ × 12 in.	...	...	...	...	2 3 6
27 × 19 in.	...	...	...	19 $\frac{1}{2}$ × 12 $\frac{1}{2}$ in.	...	...	...	...	2 6 0
30 × 22 in.	...	...	...	21 × 15 $\frac{1}{2}$ in.	...	...	...	...	3 11 3

Extra for Nickel-plated Fittings, 3/9.

# "CROWN" SEMI-PORCELAIN LAVATORIES.

INCLUDING FITTINGS.

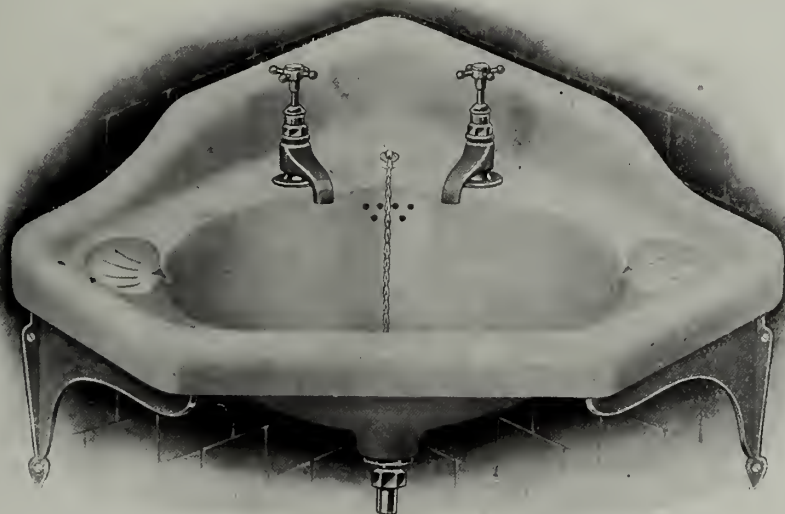


No. 1196. Angular Lavatory, in White Glazed Ware, with Skirting, Plain Roll Edge, Open Overflow and Brass Grating, Brass Hot and Cold Pillar Valves, Brass Waste Outlet and Union, Rubber Plug with Brass Chain and Chain Stay, Polished Brass Bracket Supports.

Sizes :

Overall.				Basin.					PRICES.
22 × 18 in.	...	...	...	12 × 10 in.	...	...	...	...	£2 12 3
24 × 18 in.	...	...	...	13 × 10 in.	...	...	...	...	2 14 6
27 × 20 in.	...	...	...	16 × 10 <sup>3</sup> / <sub>4</sub> in.	...	...	...	...	2 18 6
30 × 22 in.	...	...	...	17 <sup>1</sup> / <sub>2</sub> × 12 <sup>1</sup> / <sub>2</sub> in.	...	...	...	...	3 15 0

Extra for Nickel-plated Fittings ... 7/6.  
 „ 1<sup>1</sup>/<sub>4</sub> in. Nickel-plated Brass P Trap ... 10/6.



No. 1197. Angular Lavatory, in White Glazed Ware, with Skirting, Plain Roll Edge, Grid Overflow, Brass Hot and Cold Pillar Valves, Brass Waste Outlet and Union, Rubber Plug with Brass Chain and Chain Stay, Painted Cast-iron Brackets.

Sizes :

Overall.				Basin.					PRICES.
22 × 18 in.	...	...	...	12 × 10 in.	...	...	...	...	£1 17 0
24 × 18 in.	...	...	...	13 × 10 in.	...	...	...	...	1 19 9
27 × 20 in.	...	...	...	16 × 10 <sup>3</sup> / <sub>4</sub> in.	...	...	...	...	2 3 9
30 × 22 in.	...	...	...	17 <sup>1</sup> / <sub>2</sub> × 12 <sup>1</sup> / <sub>2</sub> in.	...	...	...	...	2 19 0

Extra for Nickel-plated Fittings, 3/9.

# "CROWN" SEMI-PORCELAIN LAVATORIES.

INCLUDING FITTINGS.



No. 1198. **Square Front Lavatory**, in White Glazed Ware, with Skirting, Plain Roll Edge, Grid Overflow, Brass Hot and Cold Pillar Valves, Brass Waste Outlet and Union, Rubber Plug and Brass Chain (no Supports).

Sizes :								PRICE.
Overall.				Basin.				
27 × 16 in.	...	...	...	21 × 11½ in.	...	...	...	£2 0 9
Extra for Nickel-plated Fittings, 3/9.								



No. 1199. **Square Front Lavatory**, in White Glazed Ware, with Skirting, Plain Roll Edge, Recessed Back with Exposed Standing Waste, Brass Hot and Cold Pillar Valves, Brass Waste Outlet and Union (no Supports).

SIZES :										PRICE.
Overall.					Basin.					
23 × 17 in.	...	...	...	...	17 × 11 in.	...	...	...	...	£2 7 3
Extra for Nickel-plated Fittings, 7/6										



# "CROWN" SEMI-PORCELAIN LAVATORIES.

INCLUDING FITTINGS.



No. 1200. **Round Front Lavatory**, in White Glazed Ware, with Skirting, Plain Roll Edge, Open Overflow and Brass Grating, Brass Hot and Cold Pillar Valves, Brass Waste Outlet and Union, Rubber Plug and Brass Chain (no Supports).

Sizes :

Overall.				Basin.					PRICE.
$27\frac{1}{2} \times 17\frac{1}{4}$ in.	...	...	...	$18\frac{1}{2} \times 11\frac{1}{2}$ in.	...	...	...	...	£2 6 9

Extra for Nickel-plated Fittings, 3/9.



No. 1201. **Lavatory**, with Shaped Front in White Glazed Ware, Deep Roll Edge, Secret Overflow, Brass Hot and Cold Pillar Valves, Brass Waste Outlet and Union, Rubber Plug and Brass Chain (no Supports).

Sizes :

Overall.				Basin.					PRICE.
$25 \times 13$ in.	...	...	...	$16 \times 10$ in.	...	...	...	...	£1 5 6

Extra for Nickel-plated Fittings, 3/9.

# "CROWN" SEMI-PORCELAIN LAVATORIES.

WITHOUT FITTINGS.



No. 1202. **Square Front Lavatory**, in White Glazed Ware, with Skirting, Plain Roll Edge and Grid Overflow (no Fittings).

Sizes :

Overall.				Basin.					PRICES.
22 × 16 in.	...	...	...	17 × 10½ in.	...	...	...	...	£0 17 0
25 × 18 in.	...	...	...	18½ × 11 in.	...	...	...	...	0 19 3
27 × 19 in.	...	...	...	20 × 13 in.	...	...	...	...	1 1 9
30 × 22 in.	...	...	...	22 × 16 in.	...	...	...	...	2 7 0



No. 1203. **Round Front Lavatory**, in White Glazed Ware, with Skirting, Plain Roll Edge and Grid Overflow (no Fittings).

Sizes :

Overall.				Basin.					PRICES.
22 × 16 in.	...	...	...	14½ × 9¾ in.	...	...	...	...	£0 17 0
25 × 18 in.	...	...	...	18½ × 12 in.	...	...	...	...	0 19 3
27 × 19 in.	...	...	...	19½ × 12½ in.	...	...	...	...	1 1 9
30 × 22 in.	...	...	...	21 × 15½ in.	...	...	...	...	2 7 0

For FITTINGS, see pages 227—228.

# "CROWN" SEMI-PORCELAIN LAVATORIES.

WITHOUT FITTINGS.



No. 1204. Angular Lavatory, in White Glazed Ware, with Skirting, Plain Roll Edge and Grid Overflow (no Fittings).

Sizes :

Overall.				Basin.				PRICES.	
22 × 18 in.	...	...	...	12 × 10 in.	...	...	...	£0 12	9
24 × 18 in.	...	...	...	13 × 10 in.	...	...	...	0 15	6
27 × 20 in.	...	...	...	16 × 10 <sup>3</sup> / <sub>4</sub> in.	...	...	...	0 19	3
30 × 22 in.	...	...	...	17 <sup>1</sup> / <sub>2</sub> × 12 <sup>1</sup> / <sub>2</sub> in.	...	...	...	1 14	9



No. 1205. Round Front Lavatory, with Overflow, Low Back Skirting with Screw Holes.

Sizes :

PRICES.

Overall.		Basin.		White Glazed.	
13 × 13 in.	...	9 <sup>1</sup> / <sub>2</sub> in.	...	6/6	
16 × 16 in.	...	12 in.	...	8/-	



No. 1206. Square Front Lavatory, with Secret Overflow, High Back Skirting with Screw Holes.

Sizes :

PRICE.

Overall.		Basin.		White Glazed.	
18 × 11 in.	...	15 <sup>1</sup> / <sub>2</sub> × 8 <sup>1</sup> / <sub>2</sub> in.	...	6/-	

For FITTINGS, see pages 227—228.



# "CROWN" SEMI-PORCELAIN LAVATORIES.

WITHOUT FITTINGS.



No. 1207. Oblong Lavatory, with Secret Overflow, Low Back Skirting with Screw Holes.

Sizes :

Overall.				Basin.					PRICE.
22 × 12½ in.	..	...	...	14 × 10 in.	...	...	...	...	£0 12 6



No. 1208. Oblong Lavatory, with Secret Overflow, High Back Skirting with Screw Holes.

Sizes :

Overall.				Basin.					PRICE.
22 × 12½ in.	...	...	...	14 × 10 in.	...	...	...	...	£0 17 3
Height of Back Skirting, 9 in.									

# "CROWN" SEMI-PORCELAIN LAVATORIES.

## ROUND PLUG BASINS.



No. 1209. With Secret Overflow.

Sizes :				White
Overall Diameter.				Glazed.
12 in.	...	...	...	2/8
13 in.	...	...	...	3/-
14 in.	...	...	...	3/4
15 in.	...	...	...	4/6
16 in.	...	...	...	5/3
17 in.	...	...	...	6/9
18 in.	...	...	...	9/-

No. 1210. With Nozzle Overflow.

Sizes :				White
Overall Diameter.				Glazed.
12 in.	...	...	...	2/-
13 in.	...	...	...	2/3
14 in.	...	...	...	2/9
15 in.	...	...	...	3/9
16 in.	...	...	...	4/6
17 in.	...	...	...	6/-
18 in.	...	...	...	8/3



No. 1211. Without Overflow.

Sizes :				White
Overall Diameter.				Glazed.
12 in.	...	...	...	1/6
13 in.	...	...	...	2/-
14 in.	...	...	...	2/3
15 in.	...	...	...	3/-
16 in.	...	...	...	3/9
17 in.	...	...	...	5/3
18 in.	...	...	...	7/6



# LAVATORY VALVES.



No. 1215.



No. 1216.



No. 1217.



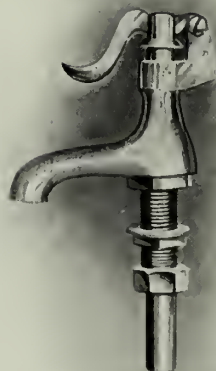
No. 1218.



No. 1219.



No. 1220.



No. 1221.



No. 1222.

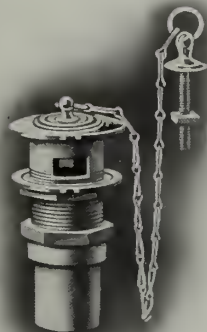
No.	Description	Size.	Centre to inside of Nose.	Polished Brass.	Polished Gun-metal.	Nickel- plated.
No. 1215.	Lavatory Valve, with Capstan Head ...	$\frac{1}{2}$ in.	$2\frac{1}{4}$ in.	3/9	4/3	4/6 each.
„ 1216.	Do. Do. ...	$\frac{1}{2}$ „	$2\frac{1}{8}$ „	4/6	5/-	5/6 „
„ 1217.	Do. Do. ...	$\frac{1}{2}$ „	3 „	5/6	5/9	6/- „
„ 1217A.	Do. Do. ...	$\frac{3}{4}$ „	$3\frac{1}{2}$ „	7/9	8/6	9/- „
„ 1218.	Do. with Lever Handle ...	$\frac{1}{2}$ „	3 „	6/6	7/3	7/9 „
„ 1218A.	Do. Do. ...	$\frac{3}{4}$ „	$3\frac{1}{2}$ „	10/3	11/-	11/6 „
„ 1219.	Do. Plain, with Capstan Head	$\frac{1}{2}$ „	$2\frac{1}{2}$ „	5/-	5/6	6/3 „
„ 1220.	Do. Spring Push ...	$\frac{1}{2}$ „	$2\frac{3}{8}$ „	5/3	5/6	5/9 „
„ 1221.	Do. Spring Lever Push ...	$\frac{1}{2}$ „	$2\frac{1}{2}$ „	—	7/6	8/6 „
„ 1222.	Do. New River, Non-concussive	$\frac{3}{8}$ „	$2\frac{3}{8}$ „	—	10/6	11/9 „
„ 1222A.	Do. Do.	$\frac{1}{2}$ „	$2\frac{1}{2}$ „	—	13/6	14/9 „



# LAVATORY WASTE FITTINGS.



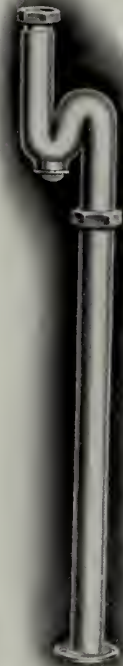
No. 1223.



No. 1224.



No. 1225.



No. 1229A.



No. 1226.



No. 1227.



No. 1228. P Trap.

No. 1229. S Trap.

No.	Description	Size of Waste.	Polished Brass.	Polished Gun-metal.	Nickel-plated.
No. 1223.	Waste Outlet and Union, Plug with Chain and Chain Stay ... ..	1 in.	2/6	2/9	3/- each.
		1 1/4 "	3/-	3/3	3/6 "
„ 1224.	Do., with Overflow Slot and do., do. ... ..	1 "	2/9	3/-	3/3 "
		1 1/4 "	3/9	4/-	4/3 "
„ 1225.	Safety Waste Outlet and Union, Plug with Ring	1 1/4 "	4/3	4/6	4/9 "
„ 1225A.	Do., with Overflow Slot and do. ... ..	1 1/4 "	4/9	5/-	5/3 "
„ 1226.	Vulcanite Standing Waste Outlet and Union, with Hanging Hook ... ..	1 1/4 "	15/-	15/6	16/- "
„ 1227.	Standing Waste with Overflow Slot and Union	1 1/4 "	9/9	10/6	11/- "
„ 1223.	Lavatory Trap, P Outlet with Vent Union and Cleaning Screw ... ..	1 1/4 "	9/-	9/9	10/6 "
„ 1229.	Lavatory Trap, S Outlet and do. ... ..	1 1/4 "	9/9	10/9	11/6 "
„ 1229A.	Down Pipe and Floor Plate, extra to No. 1229	1 1/4 "	3/-	3/6	4/- "

## PEDESTAL BIDETS.



No. 1230. Pedestal Bidet, in White Glazed Ware, with Inclined Roll Rim, Hot and Cold Supply Valves through Circulating Rim, and Combined Standing Waste and Overflow. All Fittings Nickel-plated.

### Sizes :

Height.	Overall Measurement on Rim.
15½ in.	22 × 15 in.

Price ... .. £5 13 6

No. 1231. Pedestal Bidet, in White Glazed Ware, with Inclined Roll Rim, Hot and Cold Supply Valves through Circulating Rim, and Centre Spray Fitting, Standing Waste and Overflow. All Fittings Nickel-plated.

### Sizes :

Height.	Overall Measurement on Rim.
15½ in.	28 × 15¾ in.

Price ... .. £4 11 0



NOTE.—Pedestal Bidets shewn above do not require Wood Seats. By passing Hot Water through Circulating Rim before use, will bring Rim to a comfortable temperature.

# PEDESTAL BIDETS.



No. 1232. Pedestal Bidet, in White Glazed Ware, with Inclined Roll Rim, Wide Front, Combined Weir Overflow, Hot and Cold Valves for supply through Circulating Rim, Lift-up Waste with Union. All Fittings Nickel-plated.

Sizes :

	Height.	Overall Measurement on Rim.
No. 1232.	15½ in.	25½ × 15½ in.
No. 1232A.	15½ in.	23 × 13¾ in.

## PRICES.

No. 1232. £2 17 9; No. 1232A. £2 14 0

No. 1233. Pedestal Bidet, in White Glazed Ware, with Inclined Roll Rim, Hot and Cold Valves for Supply through Circulating Rim, Rubber Plug with Chain and Chain Stay, and Waste Outlet with Union. All Fittings Nickel plated.

Sizes :

Height.	Overall Measurement on Rim.
16 in.	22 × 15 in.

Price ... .. £2 4 0



NOTE.—Pedestal Bidets shewn above do not require Wood Seats. By passing Hot Water through Circulating Rim before use, will bring Rim to a comfortable temperature.



## REVOLVING POST-MORTEM TABLE.



No. 1235. **Revolving Post-Mortem Table.** Pedestal, Channel, and Discharge Pipes all in White Porcelain Enamelled Fireclay, Gun-metal Outlet Grating.

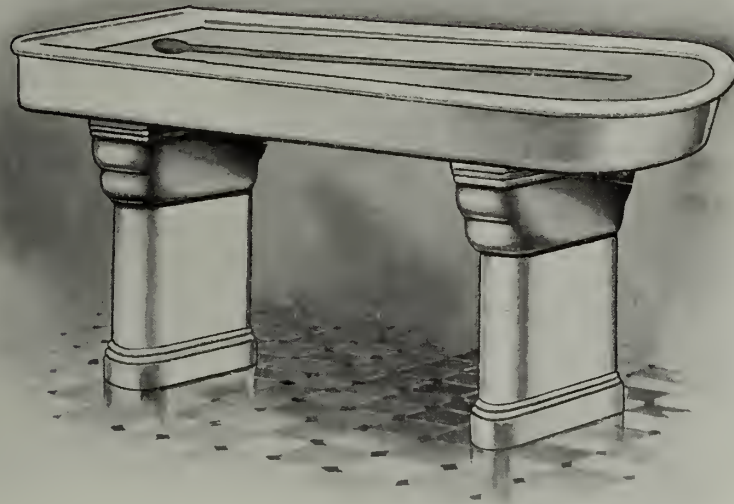
Measurements :

Length, 6 ft. 6 in. ; Width, 2 ft. 6 in. ; Total height from floor, 2 ft. 11 in.

Price ... £28 17 6.

**Floor Channel,** White Enamelled Inside, Buff Glazed Outside, 4/6 per foot run.

# MORTUARY TABLES.



No. 1236. Fireclay Post-Mortem Operation Table, all White Enamelled, and supported on Fireclay Pedestals.

Measurements : .

Length, 6 ft. 6 in. ; Width, 2 ft. 6 in. ; Depth, 6 in. ; Total height from floor, 2 ft. 11 in.

Price ... £16 16 0



No. 1237. Fireclay Mortuary Slab, White Enamelled, supported on Fireclay Pedestals.

Measurements :

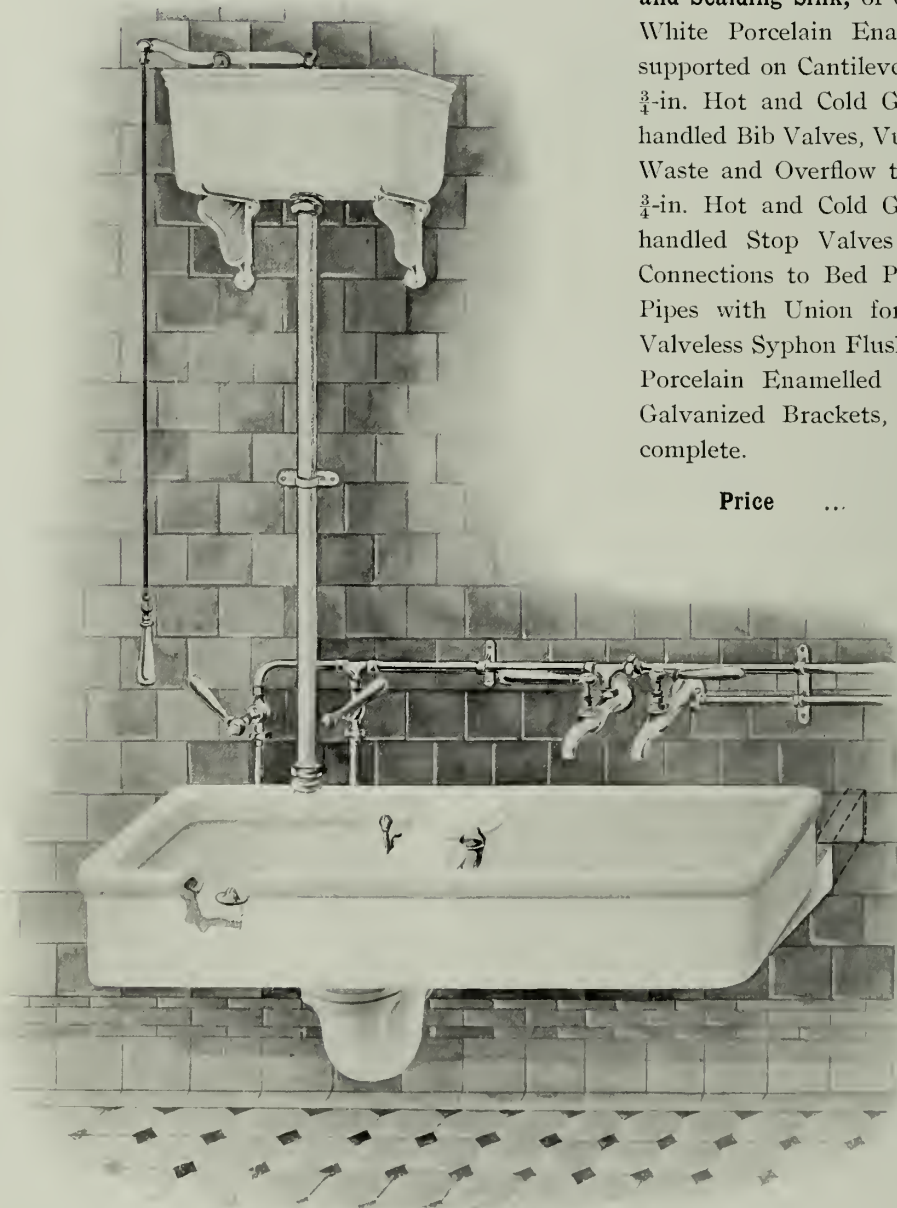
Length, 7 ft. ; Width, 2 ft. ; Depth, 6 in. ; Total height from floor, 2 ft. 6 in.

Price ... £16 16 0

# COMBINATION BED PAN AND SCALDING SINK.

No. 1238. **Combination Bed Pan and Scalding Sink**, of one piece of best White Porcelain Enamelled Fireclay, supported on Cantilever Brackets, with  $\frac{3}{4}$ -in. Hot and Cold Gun-metal Lever-handled Bib Valves, Vulcanite Standing Waste and Overflow to Scalding Sink,  $\frac{3}{4}$ -in. Hot and Cold Gun-metal Lever-handled Stop Valves with Jets and Connections to Bed Pan Sink, Supply Pipes with Union for Lead or Iron, Valveless Syphon Flushing Cistern with Porcelain Enamelled Fireclay Casing, Galvanized Brackets, and Flush Pipe complete.

Price ... £18 10 0



Enquiries are solicited, and special attention given at London Works for the carrying-out of every description of Hospital Sanitary Fittings.



# COMBINATION WASH-UP SINK AND SLOP HOPPER.



No. 1239. **Combination Porcelain Enamelled Hospital Wash-up Sink and Slop Hopper**, with S or P Trap, Fixed Rim on front of Hopper and Sink as illustrated,  $\frac{3}{4}$ -in. Gun-metal Hot and Cold Valves with Connections complete.

## PRICES.

Overall Sizes, 36 in. long by 21 in. wide by 10 in. deep	...	...	...	£6	5	3
„ 42 in. „ 21 in. „ 10 in. „	...	...	...	7	0	3
„ 48 in. „ 21 in. „ 10 in. „	...	...	...	7	16	0

Extra for **Valveless Syphon Flushing Cistern**, with Brackets and Connections complete, 42/- each.

Enquiries are solicited, and special attention given at London Works for the carrying-out of every description of Hospital Sanitary Fittings.

# PORCELAIN ENAMELLED FIRECLAY HOSPITAL SLOP SINK.



No. 1240. **Hospital Angular Slop Sink**, as illustrated, White Porcelain Enamelled inside and out, with Sides and Flushing Rim, supported on Porcelain Enamelled Cast-iron Brackets of special design to build in wall, 3 in. Gun-metal Detachable Trap with Waste and Grating, Heavy Gun-metal  $\frac{3}{4}$ -in. Cold Valve, Three-gallon Improved Valveless and Silent Flushing Cistern with Heavy Brass Fittings, Brass Chain and Pull Handle, Brackets and Lead Flush Pipe complete.

Price ... £9 17 6

Extra for Galvanized Flushing Cistern and Brackets, 6/6.

Enquiries are solicited, and special attention given at London Works for the carrying-out of every description of Hospital Sanitary Fittings.

# PORCELAIN ENAMELLED FIRECLAY HOSPITAL HOUSEMAIDS' SINK.



No. 1241. **Hospital Angular Housemaids' Sink**, as illustrated, White Porcelain Enamelled inside and out, with Sides and Flushing Rim, supported on Porcelain Enamelled Cast-iron Brackets of special design to build in wall, 2 in. Gun-metal Detachable Trap with Waste and Grating, Polished Gun-metal loose Grating and Buffers, fixed Teak Wood Rim on front, pair heavy Gun-metal  $\frac{3}{4}$ -in. Hot and Cold Valves, Three-gallon Improved Valveless and Silent Flushing Cistern with heavy Brass Fittings, Brass Chain and Pull Handle, Brackets, Lead Flush Pipe, complete.

Price ... £11 5 0

Extra for Galvanized Flushing Cistern and Brackets, 6/6.

Enquiries are solicited, and special attention given at London Works for the carrying-out of every description of Hospital Sanitary Fittings.



# PORCELAIN ENAMELLED FIRECLAY HOSPITAL SLOP HOPPER.



No. 1242. Hospital Pedestal Slop Hopper, with Skirting at back and sides, Vertical Inlet, Flushing Rim, S or P Outlet, Polished Hinged Grating, and loose Grating over Trap, fixed Teak Wood Rim on front, Three-gallon Improved Valveless and Silent Flushing Cistern with Heavy Brass Fittings, Brass Chain and Pull Handle, Brackets, and Lead Flush Pipe complete.

Price ... £5 15 9

Extra for Galvanized Flushing Cistern and Brackets, 6/6.

Slop Hopper, without Flushing Cistern or Connections, £3 12 9

## Dimensions :

Hopper, 22 × 22 in. across top.

Height at front, 22 in.

Outlet of Trap, 3½ in. diameter inside.

Enquiries are solicited, and special attention given at London Works for the carrying-out of every description of Hospital Sanitary Fittings.

# PORCELAIN ENAMELLED FIRECLAY HOSPITAL SLOP HOPPER.



No. 1243. **Hospital Angular Pedestal Slop Hopper**, with Skirting, Vertical Inlet, and Flushing Rim, S or P Outlet, Polished Brass Hinged Grating and Loose Grating over Trap, Three-gallon Improved Valveless and Silent Flushing Cistern with Heavy Brass Fittings, Brass Chain and Pull Handle, Brackets, Lead Flush Pipe complete.

Price ... £7 10 3

Extra for **Galvanized Flushing Cistern and Brackets**, 6/6.

Extra for **Teak Rim** fixed on front, 7/6.

**Angular Slop Hopper**, without Flushing Cistern or Connections, £5 7 3.

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Dimensions :

Hopper, **21** × **21** in.

Length of Sides, **15** in.

Height of Front, **18** in.

Outlet of Trap, **3½** in. diameter inside.

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Enquiries are solicited, and special attention given at **London Works** for the carrying-out of every description of **Hospital Sanitary Fittings**.

# HOSPITAL SINK.



No. 1245. **Porcelain Enamelled Fireclay Hospital Sink**, with Porcelain Enamelled Cast-iron Cantilever Brackets of special design to allow Sink to stand away from wall, 2 in. Cast Gun-metal Detachable Trap with Unions and Treadle Fitting actuating Plug, Solid-drawn Copper Standard Swan-neck Supplies with Hot and Cold Treadle Fittings.

## PRICES.

Overall Sizes.

30 × 20 × 10 in. deep	...	...	...	...	...	...	...	£11 17 6
36 × 20 × 10 in. „	...	...	...	...	...	...	...	12 5 6
36 × 22 × 10 in. „	...	...	...	...	...	...	...	12 10 8

**LONDON WORKS** are adapted and Designs can be submitted for any description of these Fittings.

Enquiries are solicited, and special attention given at **London Works** for the carrying-out of every description of Hospital Sanitary Fittings.



## LABORATORY SINK.



No. 1246. Porcelain Enamelled Fireclay Laboratory Wash-up Sink, with Porcelain Enamelled Cast-iron Cantilever Brackets of special design to allow Sink to stand away from wall, Cast Gun-metal Detachable Trap with Unions, Waste with Plug, Chain and Chain Stay, Solid-drawn Copper Standard Swan-neck Supplies with Wheel Valves, marked Hot and Cold, and Unions, Oiled Teak Back Rail for fixing supplies and fitting against wall.

### PRICES.

Overall Sizes.

30 × 20 × 10 in. deep	...	...	...	...	...	...	...	£5 13 7
36 × 20 × 10 in. „	...	...	...	...	...	...	...	6 17 9
36 × 22 × 10 in. „	...	...	...	...	...	...	...	7 2 6

Enquiries are solicited, and special attention given at London Works for the carrying-out of every description of Hospital Sanitary Fittings.

# WHITE PORCELAIN ENAMELLED FIRECLAY SINKS.



No. 1247. **Combination Sink**, with 6 in. Skirting at back, Slides under Sink for Drainer, Weir Overflow. Pedestals in best quality White Porcelain Enamelled Fireclay. Teak Drainer and Teak Rim,  $\frac{3}{4}$ -in. Gun-metal Hot and Cold Valves, and 2 in. Gun-metal Waste with Plug, Chain and Stay.

## PRICES.

Overall Sizes.

36 × 21 × 10 × 16 in.	...	...	...	...	...	...	...	£6 3 3
42 × 21 × 10 × 16 in.	...	...	...	...	...	...	...	7 1 3
48 × 21 × 10 × 16 in.	...	...	...	...	...	...	...	7 19 3

# WHITE PORCELAIN ENAMELLED FIRECLAY SINKS.



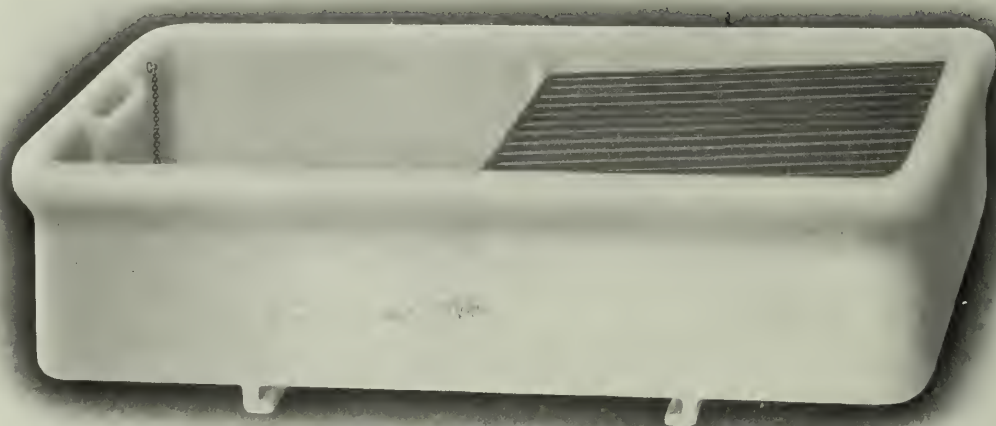
No. 1248. **Combination Sink**, with 6 in. Skirting at back, Fluted Drainer and Pedestals in best quality White Porcelain Enamelled Fireclay,  $\frac{3}{4}$ -in. Gun-metal Hot and Cold Valves, 2 in. Gun-metal Waste Plug, Chain and Stay, and with Teak Rim.

## PRICES.

Overall Sizes.							
36 × 21 × 10 × 16 in.	...	...	...	...	...	...	£5 13 9
42 × 21 × 10 × 16 in.	...	...	...	...	...	...	6 6 6
48 × 21 × 10 × 16 in.	...	...	...	...	...	...	7 4 6



# PORCELAIN ENAMELLED FIRECLAY SINKS.



No. 1249. Sink, with Slides under Sink for Drainer, and with Weir Overflow, in best quality White Porcelain Enamelled Fireclay.

## PRICES.

Overall Sizes.									
36	×	21	×	10	in.	...	...	...	£2 14 9
42	×	21	×	10	in.	...	...	...	3 6 9
48	×	21	×	10	in.	...	...	...	3 18 6
						48 in.	42 in.	36 in.	
If with 6 in. Fast Back ...						add 16/6	14/-	11/6	per Sink.
„ Teak Rim all along front ...						add 15/-	12/-	9/-	„
„ „ „ to Sink only ...						add 7/6	6/-	4/6	„

Note.—These Sinks can be supplied with Porcelain Enamelled Fluted Drainers.



No. 1250. High Back Pattern with Overflow

## PRICES.

Overall Sizes.									
						White Glazed Inside and Outside.		White Glazed Inside and Buff Outside.	
24	×	20	×	10	in.	...	£1 18 6	...	£1 12 0
30	×	20	×	10	in.	...	2 9 6	...	2 1 0
36	×	22	×	10	in.	...	3 5 9	...	2 14 6
42	×	22	×	10	in.	...	4 1 3	...	3 7 3
48	×	24	×	12	in.	...	5 8 0	...	4 9 9

For BRASS SINK WASTES and FITTINGS, see page 252.

For CAST-IRON CANTILEVER BRACKETS, see page 251.

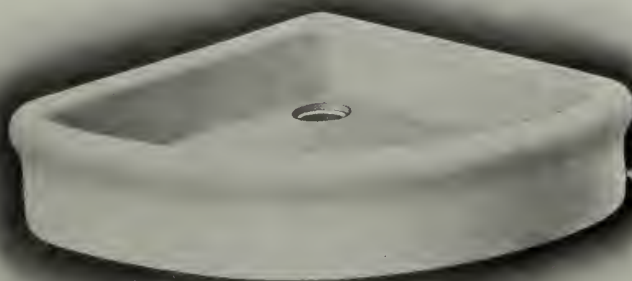
# PORCELAIN ENAMELLED FIRECLAY SINKS.



No. 1251. Rolled-Edge Sink.

## PRICES.

Overall Sizes.				White Glazed Inside and Outside.				White Glazed Inside, Buff Outside.
22 × 16 × 5 in.	...	...	...	12/-	...	...	...	10/-
24 × 18 × 6 in.	...	...	...	17/6	...	...	...	14/9
27 × 18 × 6 in.	...	...	...	19/9	...	...	...	16/9
30 × 18 × 6 in.	...	...	...	20/9	...	...	...	17/6
33 × 18 × 6 in.	...	...	...	24/-	...	...	...	20/-
36 × 18 × 6 in.	...	...	...	27/-	...	...	...	22/6
36 × 22 × 6 in.	...	...	...	32/6	...	...	...	27/-



No. 1252. Angular Rolled-Edge Sink.

## PRICES.

Overall Sizes.				White Glazed Inside and Outside.				White Glazed Inside, Buff Outside.
17 × 12 × 5 in.	...	...	...	6/3	...	...	...	5/3
22½ × 16 × 5½ in.	...	...	...	11/3	...	...	...	9/3
28 × 20 × 5½ in.	...	...	...	17/6	...	...	...	14/6
32 × 22 × 6 in.	...	...	...	23/3	...	...	...	19/3

For BRASS SINK WASTES and FITTINGS, see page 252.

For CAST-IRON CANTILEVER BRACKETS, see page 251.

# PORCELAIN ENAMELLED FIRECLAY SINKS.



No. 1253. "Belfast" Sink, in best quality Porcelain Enamelled Fireclay, with Grid Overflow and Cover.

## PRICES.

Overall Sizes.				White Glazed Inside, on Front and Ends.				White Glazed Inside, Buff Outside.
24 × 16 × 8 in.	...	...	...	19/6	...	...	...	16/6 each.
24 × 18 × 7 in.	...	...	...	19/9	...	...	...	17/6 "
30 × 18 × 7 in.	...	...	...	23/9	...	...	...	19/9 "
24 × 16 × 10 in.	...	...	...	24/9	...	...	...	20/3 "
24 × 18 × 10 in.	...	...	...	27/-	...	...	...	22/6 "
27 × 18 × 10 in.	...	...	...	30/6	...	...	...	25/3 "
27 × 20 × 10 in.	...	...	...	33/9	...	...	...	28/3 "
30 × 18 × 10 in.	...	...	...	33/9	...	...	...	28/3 "
30 × 20 × 10 in.	...	...	...	37/3	...	...	...	30/9 "
33 × 18 × 10 in.	...	...	...	37/9	...	...	...	31/- "
36 × 18 × 10 in.	...	...	...	40/6	...	...	...	33/9 "
36 × 20 × 10 in.	...	...	...	45/-	...	...	...	37/9 "
42 × 24 × 10 in.	...	...	...	62/3	...	...	...	51/9 "
48 × 24 × 10 in.	...	...	...	72/-	...	...	...	59/9 "
48 × 24 × 12 in.	...	...	...	86/9	...	...	...	72/- "

For BRASS SINK WASTES and FITTINGS, see pages 252.

For CAST-IRON CANTILEVER BRACKETS, see page 251.



# PORCELAIN ENAMELLED FIRECLAY SINKS.



No. 1254. "London" Sink, in best quality Porcelain Enamelled Fireclay.

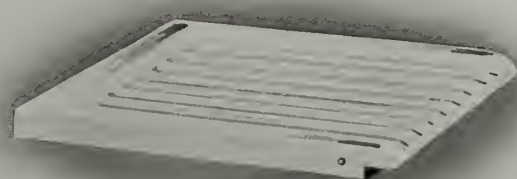
## PRICES.

Overall Sizes.					White Inside, on Front and Ends.	White Inside, Buff Outside.	Buff Inside and Outside.
24 × 18 × 6 in.	...	...	...	...	16/6	13/6	10/6 each.
27 × 18 × 6 in.	...	...	...	...	18/3	15/3	11/3 "
27 × 20 × 6 in.	...	...	...	...	20/3	17/-	12/6 "
30 × 18 × 6 in.	...	...	...	...	20/3	17/-	12/9 "
30 × 20 × 6 in.	...	...	...	...	23/3	19/3	13/9 "
33 × 18 × 6 in.	...	...	...	...	23/9	19/6	14/3 "
36 × 18 × 6 in.	...	...	...	...	26/-	21/6	14/6 "
36 × 20 × 6 in.	...	...	...	...	27/9	23/3	16/- "
36 × 22 × 6 in.	...	...	...	...	30/9	24/9	19/- "
42 × 22 × 7 in.	...	...	...	...	41/3	34/3	24/3 "
42 × 24 × 7 in.	...	...	...	...	45/-	37/3	25/3 "
48 × 24 × 7½ in.	...	...	...	...	53/6	44/9	33/3 "

For BRASS SINK WASTES and FITTINGS, see page 252.

For CAST-IRON CANTILEVER BRACKETS, see page 251.

# PORCELAIN ENAMELLED FIRECLAY DRAINERS.



## PRICES.

Overall Sizes.							White Glazed.	Buff Glazed.
20 × 18 in.	...	...	...	...	...	...	10/-	9/- each.
24 × 18 in.	...	...	...	...	...	...	11/3	10/- "
24 × 20 in.	...	...	...	...	...	...	13/6	12/- "

Teak Drainers quoted for on application.

# PORCELAIN ENAMELLED FIRECLAY SINKS.



No. 1255. Drip Sink, with Back 17 in. high, Square Front and Roll Rim.

## PRICE.

Size Overall.	White Glazed Inside and Out.
16 × 12 × 7 in. ...	27/-



No. 1256. Angular Drip Sink, with Back 6 in. high, and Round Front with Roll Rim.

## PRICES.

Sizes Overall.	White Glazed Inside and Out.
17 × 13 × 6 in. ...	16/-
22 × 16 × 9 in. ...	23/3



No. 1257. Laboratory Sink, with Back 6 in. high, and Round Front with Roll Rim.

## PRICE.

Sizes Overall.	White Glazed Inside and Out.
14 × 11½ × 7 in. ...	17/3



No. 1258. Laboratory Sink, with Back 6 in. high, and Square Front with Roll Rim.

## PRICES.

Sizes Overall.	White Glazed Inside and Out.
16 × 10 × 8 in. ...	16/-
18 × 14 × 8 in. ..	21/-

## SPECIAL TEAK SINKS.



No. 1259. **Special Teak Sink**, Tongued and fitted together with Strong Galvanized Iron Straps, Bolts and Nuts.

Inside Measure.					With Washer, Plug, Union, Chain and Stud.		With Copper Trumpet, Standing Waste, Guides and Strainer.	
20	×	16	×	9 in. ...	£3	2 0	£3	14 6
22	×	18	×	9 in. ...	3	5 6	3	18 0
24	×	18	×	10 in. ...	3	12 0	4	7 0
27	×	18	×	10 in. ...	3	17 0	4	12 0
30	×	18	×	10 in. ...	4	2 0	4	17 0
30	×	20	×	10 in. ...	4	4 6	4	19 6
33	×	18	×	10 in. ...	4	7 0	5	2 0
33	×	20	×	10 in. ...	4	8 6	5	3 6
36	×	18	×	10 in. ...	4	10 0	5	5 0
36	×	20	×	10 in. ...	4	12 0	5	7 0
36	×	22	×	10 in. ...	4	15 0	5	10 0
36	×	24	×	10 in. ...	4	17 0	5	12 0
39	×	20	×	10 in. ...	4	18 6	5	13 6
39	×	24	×	10 in. ...	5	2 0	5	17 0
42	×	22	×	10 in. ...	5	4 6	5	19 6
42	×	24	×	10 in. ...	5	7 0	6	2 0
45	×	24	×	10 in. ...	5	8 6	6	3 6
48	×	20	×	10 in. ...	5	12 0	6	7 0
48	×	24	×	12 in. ...	6	2 0	6	19 6

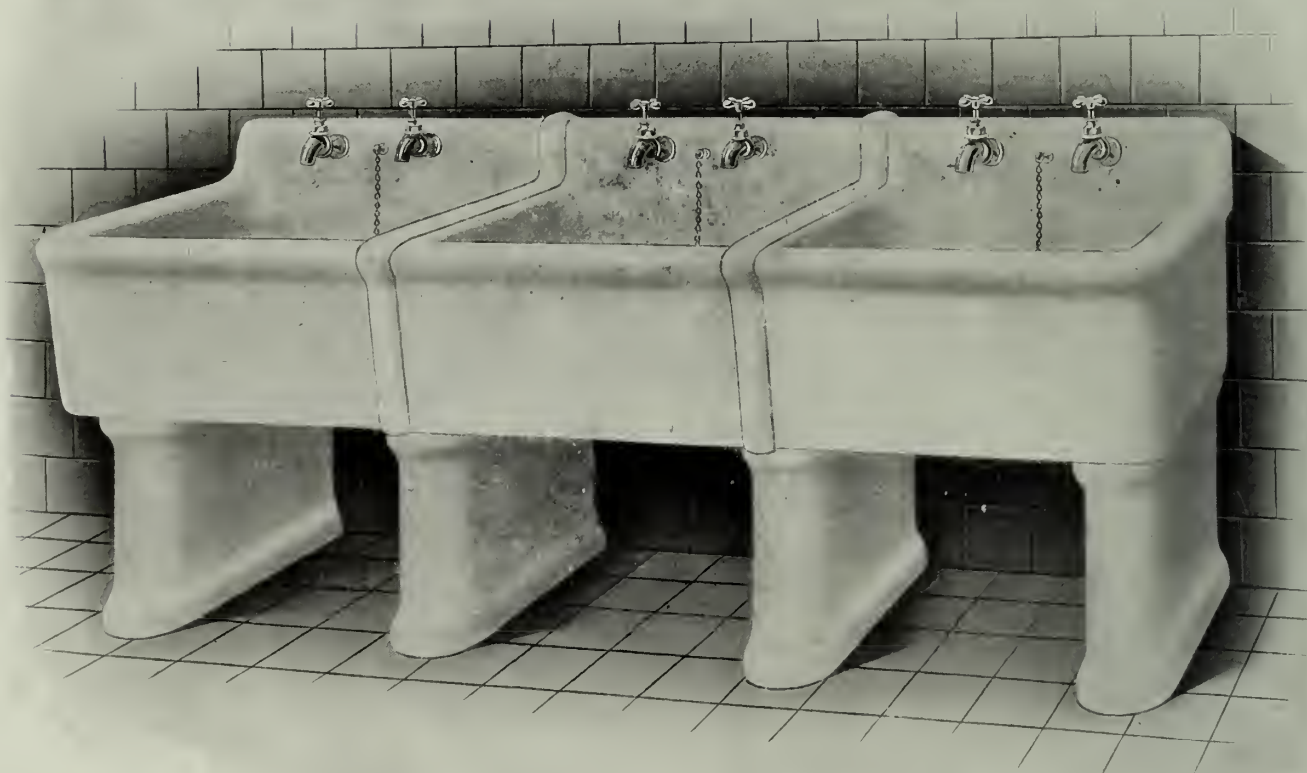
Any Special Size made to Order.

Prices quoted for Sinks lined with Pewter, Copper or Lead. Also supplied with Framed Stands, Draining Boards and Drying Racks. Prices on application.

For CAST-IRON CANTILEVER BRACKETS, see page 251.



# WASH TUBS.



No. 1260. **Wash Tub Range**, in White Porcelain Enamelled Fireclay, with High Backs, Overlapping Joints and Pedestals,  $\frac{3}{4}$ -in. Hot and Cold Valves, 2 in. Gun-metal Wastes with Unions, and Rubber Plugs with Chain and Chain Stay.

## PRICES.

Sizes Overall :

	24 × 20 × 15	27 × 20 × 15	27 × 24 × 15	30 × 24 × 15
Range of Three Persons ... ..	£16 4 9	£17 6 9	£19 5 3	£20 16 6
Extra per Person ... ..	5 4 6	5 11 6	6 4 6	6 7 0
If without High Back, deduct per Person ...	0 11 0	0 12 3	0 12 3	0 13 0

If without Fittings, deduct 25/- per person.

# HOUSEMAIDS' SLOP SINKS.



No. 1261. Housemaid's Slop Sink, in White Porcelain Enamelled Fireclay Ware, with Fluted Drainer formed in bottom, Earthenware Hopper and Grating with S or P Trap.

Sizes Overall.

24	×	18	×	6	in.	...	...	...	...	...	...	...	£1	6	0
27	×	18	×	6	in.	...	...	...	...	...	...	...	1	8	6
30	×	20	×	6	in.	...	...	...	...	...	...	...	1	13	0
36	×	22	×	6	in.	...	...	...	...	...	...	...	2	4	0

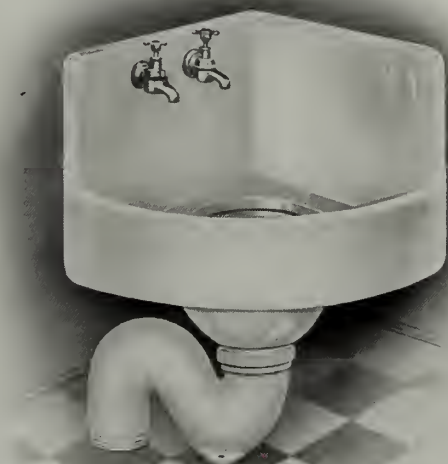
If with Heavy Fireclay Hopper and Trap, White Glazed inside, Buff out, 10/- extra.

No. 1262. Housemaid's Slop Sink, as above, but with High Back and Side (Left or Right Hand), Earthenware Hopper with Flushing Rim and Grating, S or P Trap, Brass Hot and Cold Valves with Union.

Sizes Overall.

24	×	18	×	6	in., height of back, 10 ins.	...	...	...	...	...	...	...	£2	12	0
27	×	18	×	6	in.	„	„	...	...	...	...	...	2	15	0
30	×	20	×	6	in.	„	„	...	...	...	...	...	3	3	0
36	×	22	×	6	in.	„	„	...	...	...	...	...	3	15	0

If with Heavy Fireclay Hopper and Trap, White Glazed inside, Buff out, 10/- extra.



No. 1263. Angular Housemaid's Slop Sink, in White Porcelain Enamelled Fireclay Ware, with High Back and Sides, Earthenware Hopper with Flushing Rim and Grating, S or P Trap, Brass Hot and Cold Valves with Union.

Sizes Overall.

28	×	20	×	5½	in., height of back, 10 ins.	...	...	...	...	...	...	...	£3	0	0
32	×	22	×	6	in.	„	„	...	...	...	...	...	3	10	0

If with Heavy Fireclay Hopper and Trap, White Glazed inside, Buff out, 10/- extra.

## DRINKING FOUNTAIN.



**Drinking Fountain** in best White Enamelled Fireclay, with lug to build in Wall, Polished Gun-metal Spring Valve, Gun-metal Waste with Union, Tinned Copper Drinking Cup with Wall Bracket and Clip, Chain and Wall Plate.

**Price** ... .. £2 19 6

If in Buff Glazed Ware ... .. £2 14 9

Quotations can be submitted for Drinking Fountains to Architects Special Designs.

No. 1264.

## CAST-IRON CANTILEVER BRACKETS FOR SINKS.

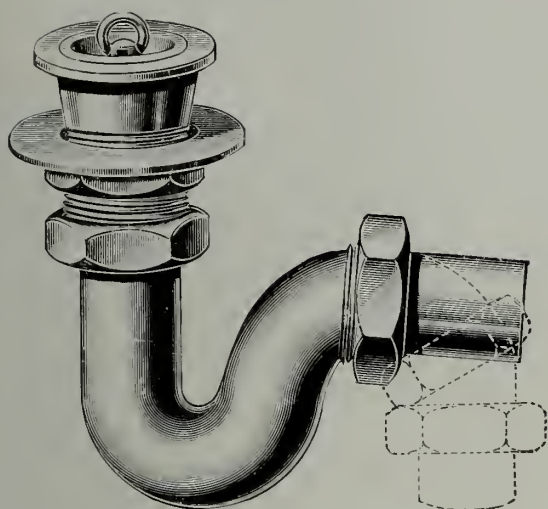


No. 1265.

Sizes : Projection from Wall.						Painted.	Galvanized.	White Porcelain Enamelled.
15 in.	...	...	...	...	...	3/9	6/3	7/6 per pair.
18 in.	...	...	...	...	...	4/9	7/9	9/- ..
21 in.	...	...	...	...	...	6/3	9/9	11/3 ..
24 in.	...	...	...	...	...	7/9	12/6	14/- ..



# COMPLETE BATH OR SINK WASTE.



MADE WITH P, Q, OR S OUTGO.

WITH HEAVY CAST BRASS OR GUN-METAL TRAP  
AND DETACHABLE UNIONS.

The special advantage of this Bath or Sink Waste is that the Trap can be disconnected for clearing purposes without disturbing the remainder of fittings, and direct access to Waste Pipe obtained when required.

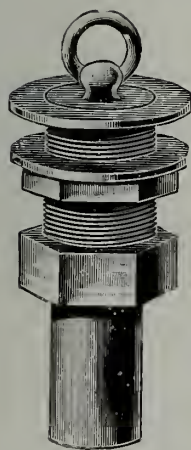
## PRICES.

					Sizes—			
					1½ in.	1½ in.	2 in.	3 in.
No. 1266.	With Vulcanite Plug and Chain	...	...	...	17/6	17/6	23/6	45/-
„ 1267.	„ Grated Waste	...	...	...	14/6	14/6	18/-	37/6
Extra for Removable Grating, secured with Screws	...	...	...	...	...	...	...	1/6
„ Waste with Overflow to suit Fireclay Sinks	...	...	...	...	...	...	...	2/-
„ Waste Lining with Overflow and detachable Unions for Lead or Copper Sinks	...	...	...	...	...	...	...	7/6

Special Prices quoted for Polishing or Nickel-plating Traps and Unions.

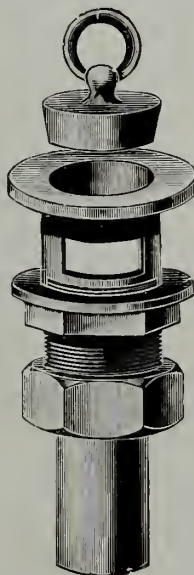
# BATH AND SINK WASTES.

BRASS OR GUN-METAL.



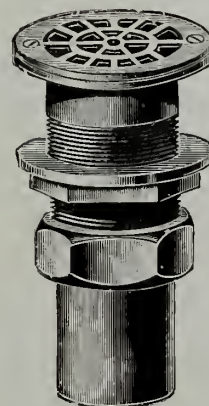
No. 1272. Waste, with Vulcanite Plug and Chain.

Sizes	...	1½ in.	2 in.
Dia. of Flange	...	3½ in.	3½ in.
No. 1272.	Heavy	6/9	10/6
No. 1272A.	Medium	4/3	6/6



No. 1273. Waste, slotted for Overflow, with Vulcanite Plug and Chain.

Sizes	...	1½ in.	2 in.
Dia. of Flange	...	3½ in.	3½ in.
No. 1273.	Heavy	8/9	11/6
No. 1273A.	Medium	5/3	7/6



No. 1274. Waste, with Grating.

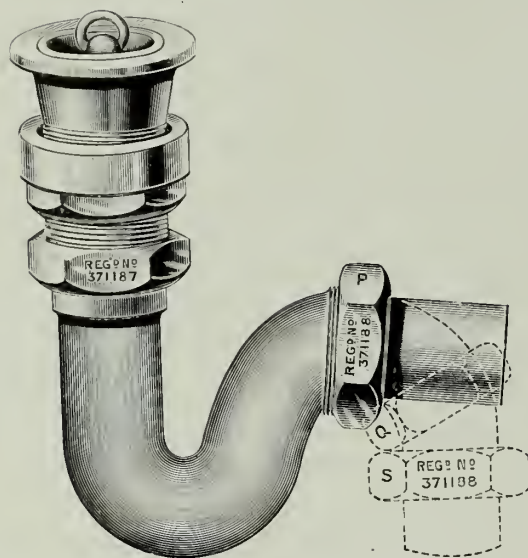
Sizes	...	1½ in.	2 in.
Dia. of Flange	...	3½ in.	3½ in.

No. 1274.	Heavy	7/6	10/3
No. 1274A.	Medium	4/3	6/6

Extra if Grating secured with Screws	...	1/6	1/6
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# COMPLETE BATH OR SINK WASTE.

WITH HEAVY DRAWN LEAD TRAP AND REGISTERED BRASS UNIONS.



MADE WITH P, Q, OR S OUTGO.

These **Traps** are of 8 lb. Drawn Lead with Heavy Registered Brass Unions. They are perfectly smooth both inside and out, and there are no corners or places about them where filth may collect. The Brass Waste Fitting is made purposely larger than Lead Trap so that Trap is thoroughly cleansed every time a flush of water is passed through.

The Lead Trap can also be disconnected for clearing purposes without disturbing the remainder of fittings, and direct access to Waste Pipe obtained.

## PRICES.

							Sizes—1½ in.	2 in.
No. 1268.	With Vulcanite Plug and Chain	...	...	...	...	...	13/6	17/-
„ 1269.	„ Grated Waste	...	...	...	...	...	12/3	15/9
Extra for Removable Grate secured with Screws	...	...	...	...	...	...	...	1/6
„ Waste with Overflow for Fireclay Sinks	...	...	...	...	...	...	...	2/-
„ 1½ in. Vent with Detachable Union fixed on Trap	...	...	...	...	...	...	...	5/-
„ Detachable Overflow Union for Lead or Copper Sinks	...	...	...	...	...	...	...	7/6

## CAST-IRON SINK TRAPS.

No. 1270. With Brass Waste Grating and Back Nut, Brass Clearing Screw, and Spigot Outgo for caulking to Iron Waste Pipe.

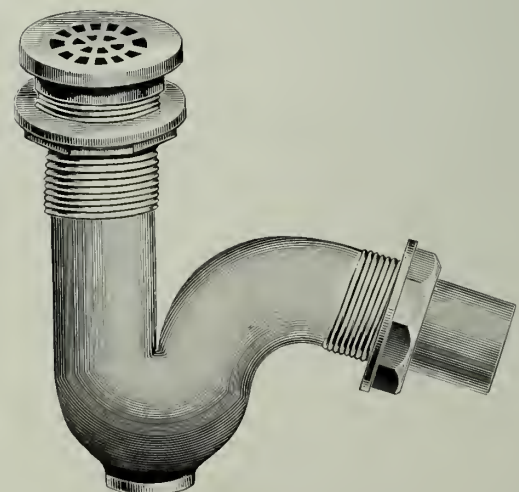
### PRICES.

Size.	Coated.	Galvanized.
2 in. ...	8/6	10/- each.

No. 1271. With Brass Waste Grating and Back Nut, Brass Clearing Screw, and Screwed Outgo with Brass Unions for Lead Waste Pipe.

### PRICES.

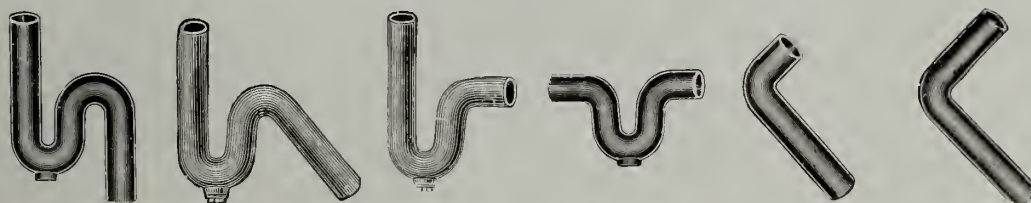
Size.	Coated.	Galvanized.
2 in. ...	11/6	13/- each.



MADE WITH P OR S OUTGO.

# HYDRAULIC DRAWN LEAD TRAPS.

SPECIALS TO ANY WEIGHT, LENGTH, OR ANGLE.



Size.	Weight.	No. 1 or S.	No. 2 or $\frac{3}{4}$ -S.	No. 3 or P.	No. 4 or Running Trap.	No. 5 or Short Bend.	No. 6 or Long Bend.			
$1\frac{1}{4}$ in.	$4\frac{1}{2}$ lbs.	1/2	...	1/1	...	11d.	...	5d.	...	7d.
	6 "	1/6	...	1/5	...	1/1	...	7d.	...	9d.
	7 "	1/8	...	1/6	...	1/4	...	8d.	...	11d.
	8 "	2/-	...	1/11	...	1/7	...	9d.	...	1/-
$1\frac{1}{2}$ in.	5 "	1/6	...	1/5	...	1/1	...	7d.	...	9d.
	6 "	1/11	...	1/8	...	1/5	...	9d.	...	11d.
	7 "	2/2	...	2/-	...	1/8	...	10d.	...	1/2
	8 "	2/7	...	2/4	...	2/-	...	1/10	...	1/3
$1\frac{3}{4}$ in.	$5\frac{1}{2}$ "	2/4	...	2/1	...	1/10	...	10d.	...	1/2
	7 "	2/10	...	2/7	...	2/1	...	1/11	...	1/5
2 in.	5 "	2/4	...	2/1	...	1/8	...	10d.	...	1/1
	6 "	2/8	...	2/7	...	2/1	...	1/11	...	1/4
	7 "	3/2	...	3/-	...	2/5	...	2/2	...	1/6
	8 "	3/10	...	3/8	...	3/-	...	2/10	...	1/11
$2\frac{1}{2}$ in.	5 "	3/5	...	3/1	...	2/6	...	2/5	...	1/2
	6 "	3/10	...	3/8	...	2/10	...	2/10	...	1/3
	7 "	4/5	...	4/4	...	3/5	...	3/4	...	1/6
	8 "	4/11	...	4/10	...	3/8	...	3/7	...	1/9
3 in.	5 "	4/4	...	4/1	...	3/2	...	3/-	...	1/5
	6 "	5/1	...	4/11	...	3/10	...	3/8	...	1/8
	7 "	5/10	...	5/10	...	4/5	...	4/5	...	1/11
	8 "	6/11	...	6/7	...	5/1	...	4/11	...	2/2
$3\frac{1}{2}$ in.	5 "	5/8	...	5/6	...	4/4	...	4/1	...	2/3
	6 "	6/2	...	6/-	...	4/8	...	4/8	...	2/-
	7 "	7/5	...	6/11	...	5/6	...	5/7	...	2/5
	8 "	8/7	...	8/4	...	6/6	...	6/5	...	2/10
4 in.	5 "	6/7	...	6/7	...	5/11	...	5/8	...	2/5
	6 "	7/11	...	7/6	...	6/4	...	6/1	...	2/8
	7 "	9/7	...	9/5	...	7/1	...	6/11	...	3/4
	8 "	10/2	...	10/-	...	7/7	...	7/5	...	4/-
$4\frac{1}{2}$ in.	6 "	9/7	...	9/-	...	7/-	...	6/8	...	3/4
	8 "	12/2	...	11/7	...	9/-	...	8/7	...	4/3

Prices quoted above are without Screws ; if Screws are required they will be charged for as follows :—

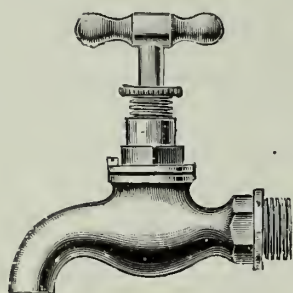
$1\frac{1}{4}$  in., 4d. each ;  $1\frac{1}{2}$  and  $1\frac{3}{4}$  in., 5d. each ; 2 and  $2\frac{1}{2}$  in., 6d. each ; 3 in. and upwards, 7d. each.

Special Traps, Bends, Offsets, and Syphons to order.

For HEAVY LEAD TRAPS, JUNCTIONS, LEAD PIPES, SOIL PIPES, &c., see page 329.

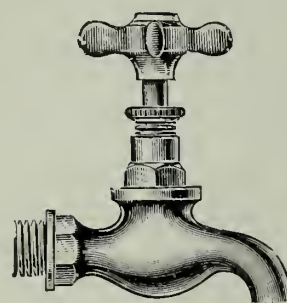


## SCREW-DOWN WATER VALVES.



No. 1275.

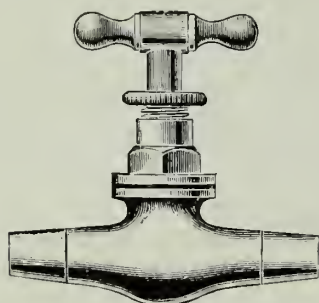
	Sizes— $\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	1 in.
Medium Quality	... 2/6	3/9	6/- each.
Screw Boss, extra	... 3d.	4d.	8d. „
Stamped M.W.B.	... 3/-	4/6	8/6 „
Screw Boss, extra	... 4d.	6d.	9d. „
Hose Union „	... 1/-	1/6	2/- „



No. 1276.

	Sizes— $\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	1 in.
Medium Quality	... 3/-	4/6	6/9 each.
Screw Boss, extra	... 3d.	4d.	8d. „
Stamped M.W.B.	... 4/-	6/-	9/6 „
Screw Boss, extra	... 4d.	6d.	9d. „

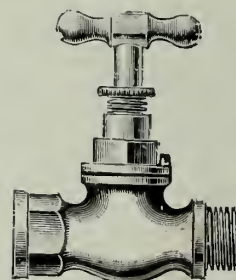
## STOP VALVES.



No. 1277.

Plain Tinned Ends for Lead.

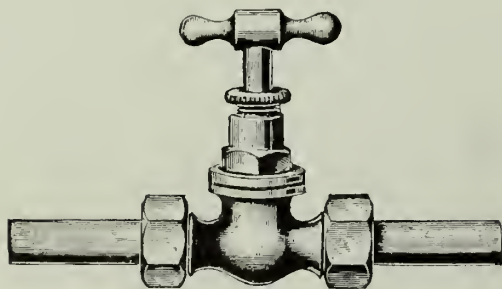
	Sizes— $\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	1 in.
Medium Quality	... 2/9	3/9	6/6 each.



No. 1278.

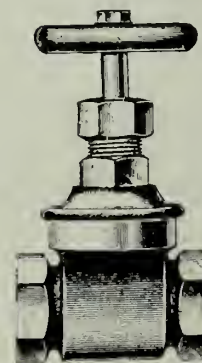
Screwed for Iron, Male and Female or Female Ends.

	Sizes— $\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	1 in.
Medium Quality	... 2/9	4/3	7/- each.
Stamped M.W.B.	... 3/3	5/-	8/- „



No. 1279. Double Unions.

	Sizes— $\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	1 in.	1 $\frac{1}{4}$ in.	1 $\frac{1}{2}$ in.
Medium Quality	3/4	5/-	7/3	14/6	17/- each.
Stamped M.W.B.	4/2	6/-	9/3	20/-	27/- „



No. 1280. Wheel Valve.

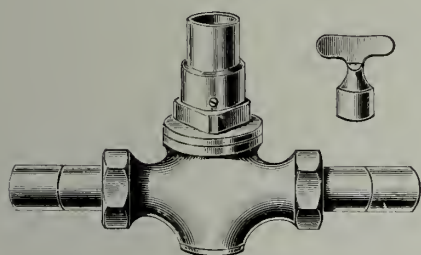
	Sizes— $\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	1 in.	1 $\frac{1}{4}$ in.	1 $\frac{1}{2}$ in.	2 in.
	4/6	6/-	8/6	10/9	13/6	18/- each.

Quotations given for Water Valves approved and stamped by "Incorporated Joint Committee on Water Regulations."

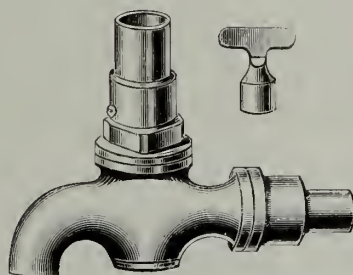
# HIGH-PRESSURE SCREW-DOWN WATER VALVES.

FITTED WITH LOOSE SHIELD AND KEY, AND SPECIALLY  
ADAPTED FOR SCHOOLS, &c.

Each Valve is tested under pressure, and is fitted with Gun-metal Spindle,  
L.C.C. School Board Pattern.



No. 1281.



No. 1282.



No. 1283.

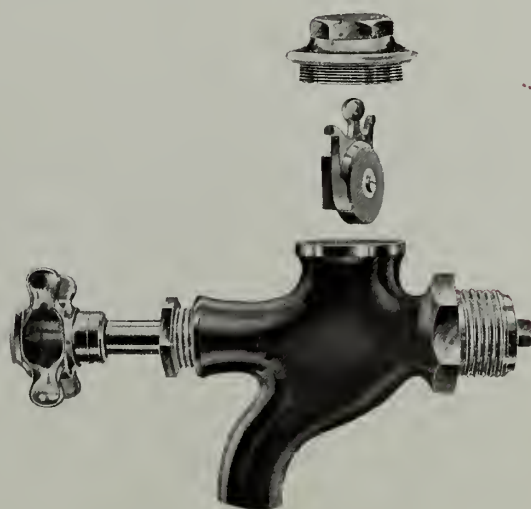
$\frac{1}{2}$ -in. 5/9	$\frac{3}{4}$ -in. 8/3	1 in. 13/-	$\frac{1}{2}$ -in. 4/3	$\frac{3}{4}$ -in. 6/6	1 in. 10/6	$\frac{1}{2}$ -in. 5/6	$\frac{3}{4}$ -in. 8/3	1 in. 12/-
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Galvanized Wrought-iron Stays for securing Valves

... 2/6 each.

## TROTT'S PATTERN BIB VALVES.

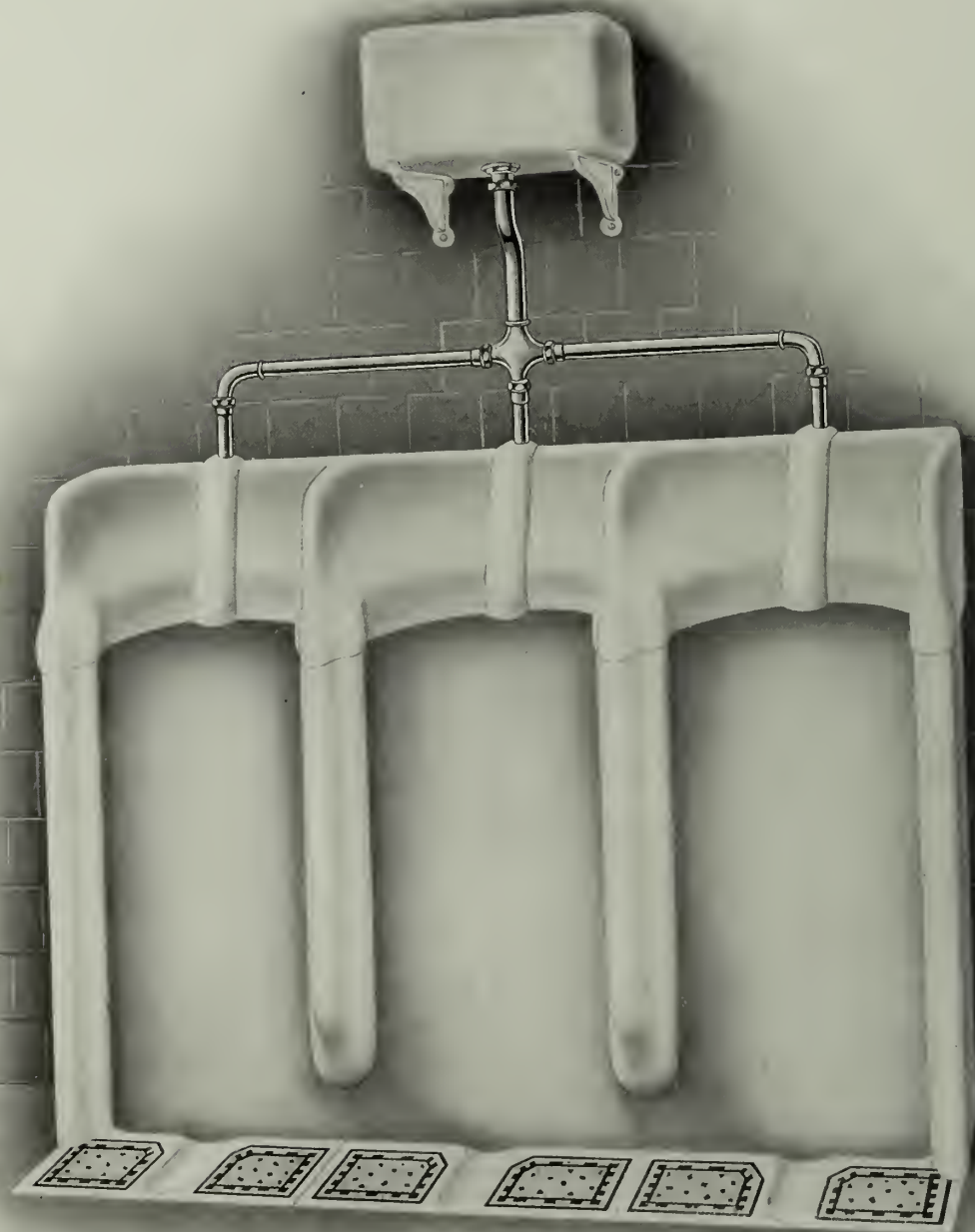
MADE IN HEAVY GUN-METAL, WITH SPECIAL ARRANGEMENT FOR RENEWING  
SEATING WHEN UNDER PRESSURE.



No. 1284.

Polished Gun-metal	$\frac{1}{2}$ -in.	Bib Valve, Hot or Cold, screwed for	$\frac{1}{2}$ -in.	Iron	...	...	...	...	11/6
"	"	"	$\frac{3}{4}$ -in.	"	...	...	...	...	14/9
"	"	"	1 in.	"	...	...	...	...	21/6

# THE "ST. JAMES" URINAL RANGE.

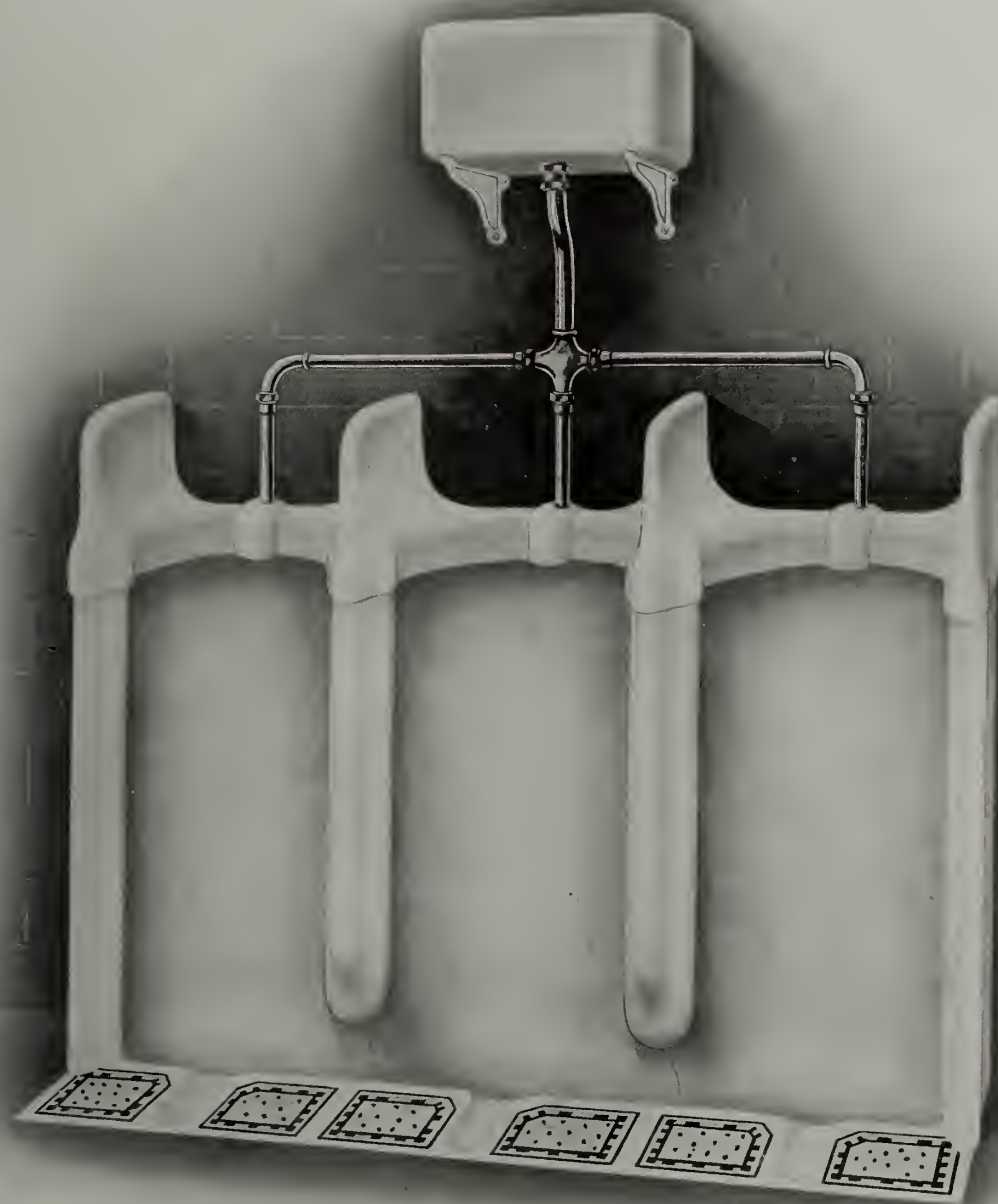


No. 1300. Urinal Range, comprising Stalls with Sole and Channel in one piece, Dividing Columns, Tops with Full Backs and Automatic Cistern, all in best quality Enamelled Fireclay Ware. Mosaic Tiled Tread Plates, White Enamelled Iron Cistern Brackets, Solid-drawn Copper Flush Pipes with Gun-metal Spreaders and Gun-metal Dome-shaped Outlet Grating.

	White Porcelain Enamelled.			Buff Glazed.		
Range for Two Persons ...	£16	8	9	£14	4	0
Extra per Person ...	7	16	9	6	13	9
If with Grooved Fireclay Narrow Tread Plates instead of Mosaic Inlaid, deduct 15/9 per stall from the above prices.						
Height from floor to top of division ...	...	...	...	...	4 ft.	7 in.
Centres ...	...	...	...	...	2 ft.	0 in.
Projection from wall to front of dividing columns ...	...	...	...	...	1 ft.	6 in.
Depth in floor ...	...	...	...	...	7 in.	



# THE "CHELSEA" URINAL RANGE.



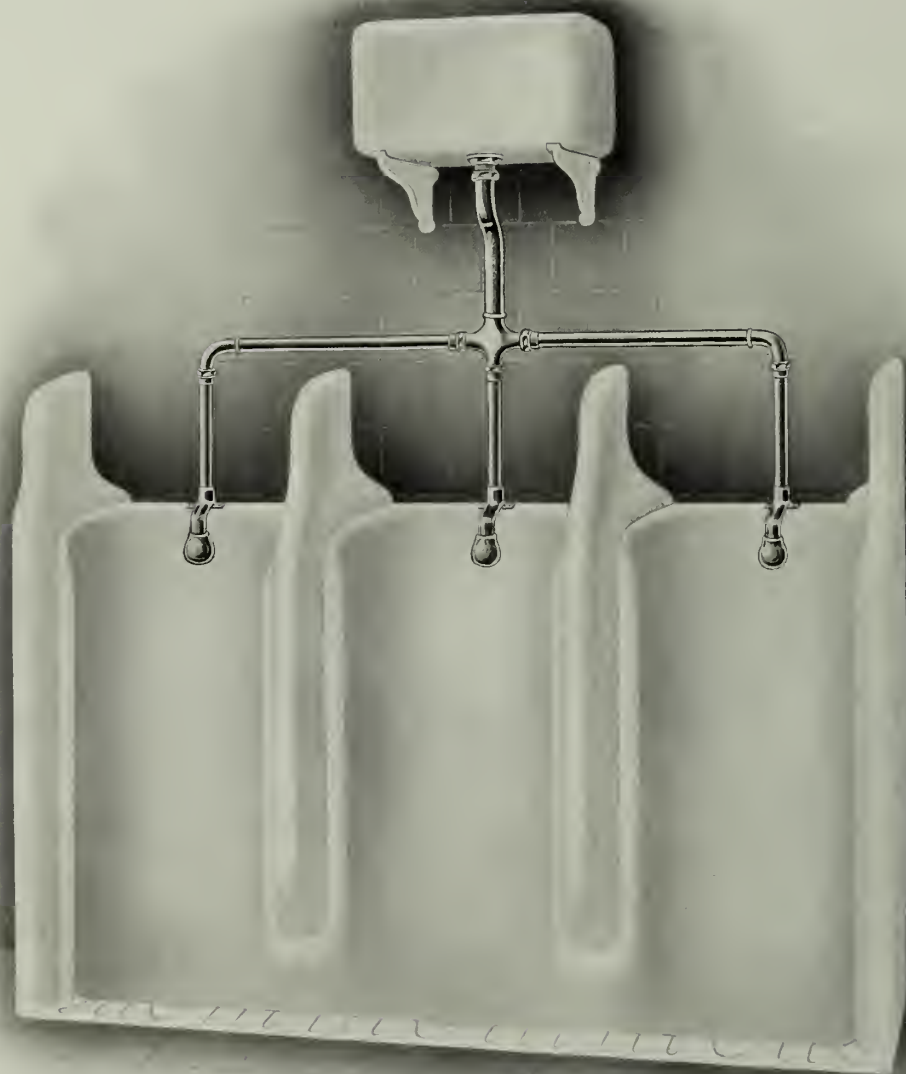
No. 1301. **Urinal Range**, comprising Stalls with Sole and Channel in one piece, Dividing Columns with Tops and Automatic Cistern, all in best quality Enamelled Fireclay Ware. Mosaic Tiled Tread Plates, White Enamelled Iron Cistern Brackets, Solid-drawn Copper Flush Pipes with Gun-metal Spreaders and Gun-metal Dome-shaped Outlet Grating.

							White Porcelain Enamelled.	Buff Glazed.
Range for Two Persons ...	...	...	...	...	...	...	£15 19 3	£13 12 6
Extra per Person ...	...	...	...	...	...	...	7 5 9	6 3 3

If with Grooved Fireclay Narrow Tread Plates instead of Mosaic Inlaid, deduct 15/9 per stall from above prices.

Height from floor to top of division ...	...	...	...	...	...	...	4 ft. 7 in.
Centres ...	...	...	...	...	...	...	2 ft. 0 in.
Projection from wall to front of dividing columns ...	...	...	...	...	...	...	1 ft. 6 in.
Depth in floor ...	...	...	...	...	...	...	7 in.

# THE "THAMES" URINAL RANGE.



No. 1302. **Urinal Range**, comprising Stalls with Sole and Channel in one piece, High Dividing Columns and Ends, Grooved Tread Plates and Automatic Cistern, all in best quality Enamelled Fireclay Ware. White Enamelled Iron Cistern Brackets, and Solid-drawn Copper Flush Pipes with Gun-metal Spreaders and Gun-metal Dome-shaped Outlet Grating.

								White Porcelain Enamelled.	Buff Glazed.
Range for Two Persons	...	...	...	...	...	...	...	£14 16 9	£12 0 6
Extra per Person	...	...	...	...	...	...	...	5 17 6	5 0 6
Height from floor to top of divisions	...	...	...	...	...	...	...	...	4 ft. 6 in.
" " " stalls	...	...	...	...	...	...	...	...	3 ft. 6 in.
Centres	...	...	...	...	...	...	...	...	2 ft. 0 in.
Projection from wall to front of dividing column	...	...	...	...	...	...	...	...	1 ft. 5 in.
Ditto to front of stall	...	...	...	...	...	...	...	...	1 ft. 0 in.
Depth in floor	...	...	...	...	...	...	...	...	5½ in.

# THE "CARLYLE" URINAL RANGE.

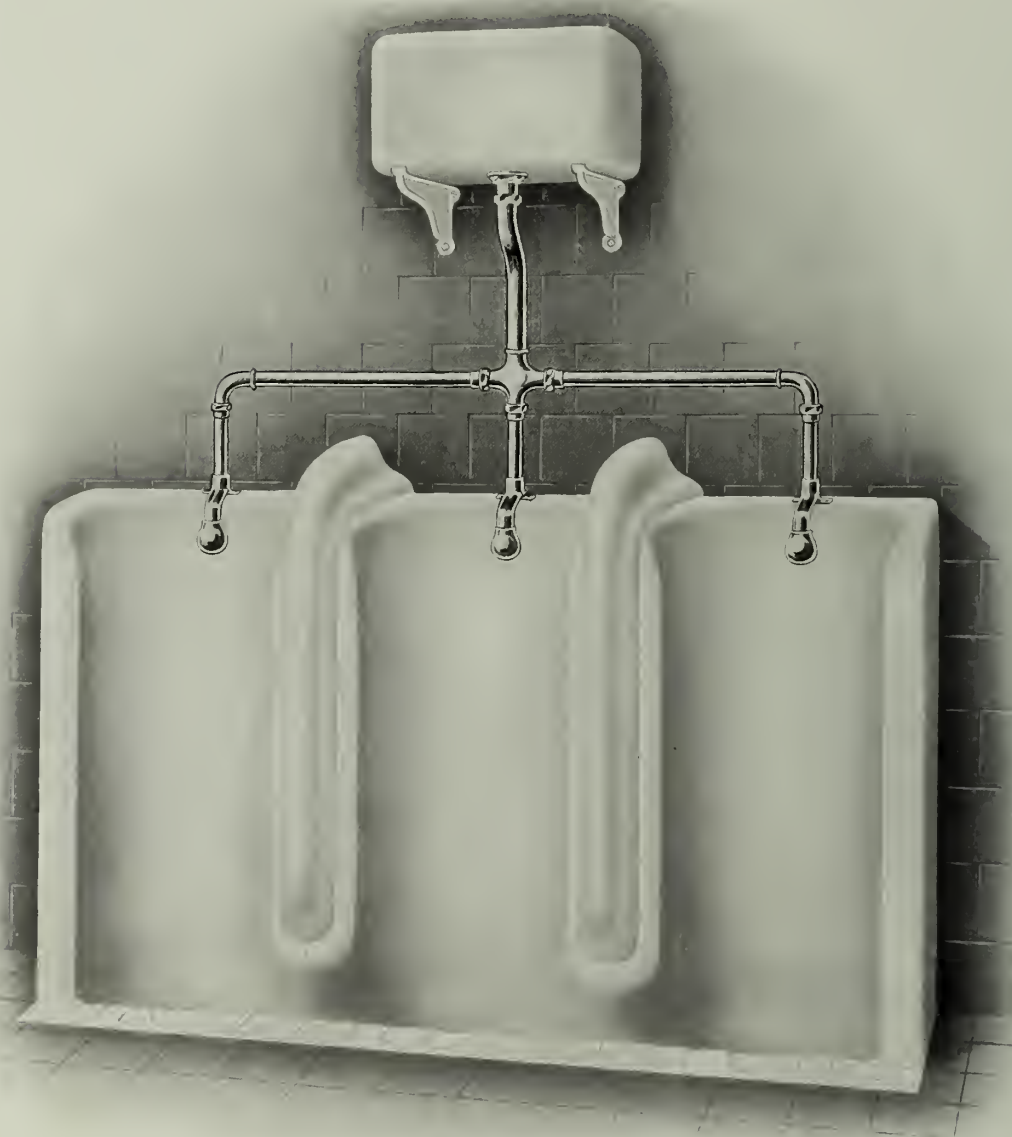


No. 1303. **Urinal Range**, comprising Stalls with Sole and Channel in one piece, High Dividing Columns, Grooved Tread Plates and Automatic Cistern, all in best quality Enamelled Fireclay Ware. White Enamelled Iron Cistern Brackets, Solid-drawn Copper Flush Pipes with Gun-metal Spreaders and Gun-metal Dome-shaped Outlet Grating.

No. 1303.—Medium Size.				No. 1303A.—Small Size.			
White Porcelain Enamelled.				Buff Glazed.			
Range for Two Persons ...	...	...	£12 12 0	£10 14 6	£11 18 0	£10 3 9	
Extra per Person ...	...	...	5 17 6	5 0 6	5 10 9	4 16 0	
Medium Size.				Small Size.			
Height from floor to top of division ...	...	...	4 ft. 6 in.	...	4 ft. 4 in.		
" " " stall ...	...	...	3 ft. 6 in.	...	3 ft. 4 in.		
Centres ...	...	...	2 ft. 0 in.	...	1 ft. 9 in.		
Projection from wall to front of dividing column ...	...	...	1 ft. 5 in.	...	1 ft. 5 in.		
" " " stall ...	...	...	1 ft. 0 in.	...	1 ft. 0 in.		
Depth in floor ...	...	...	5½ in.	...	5½ in.		



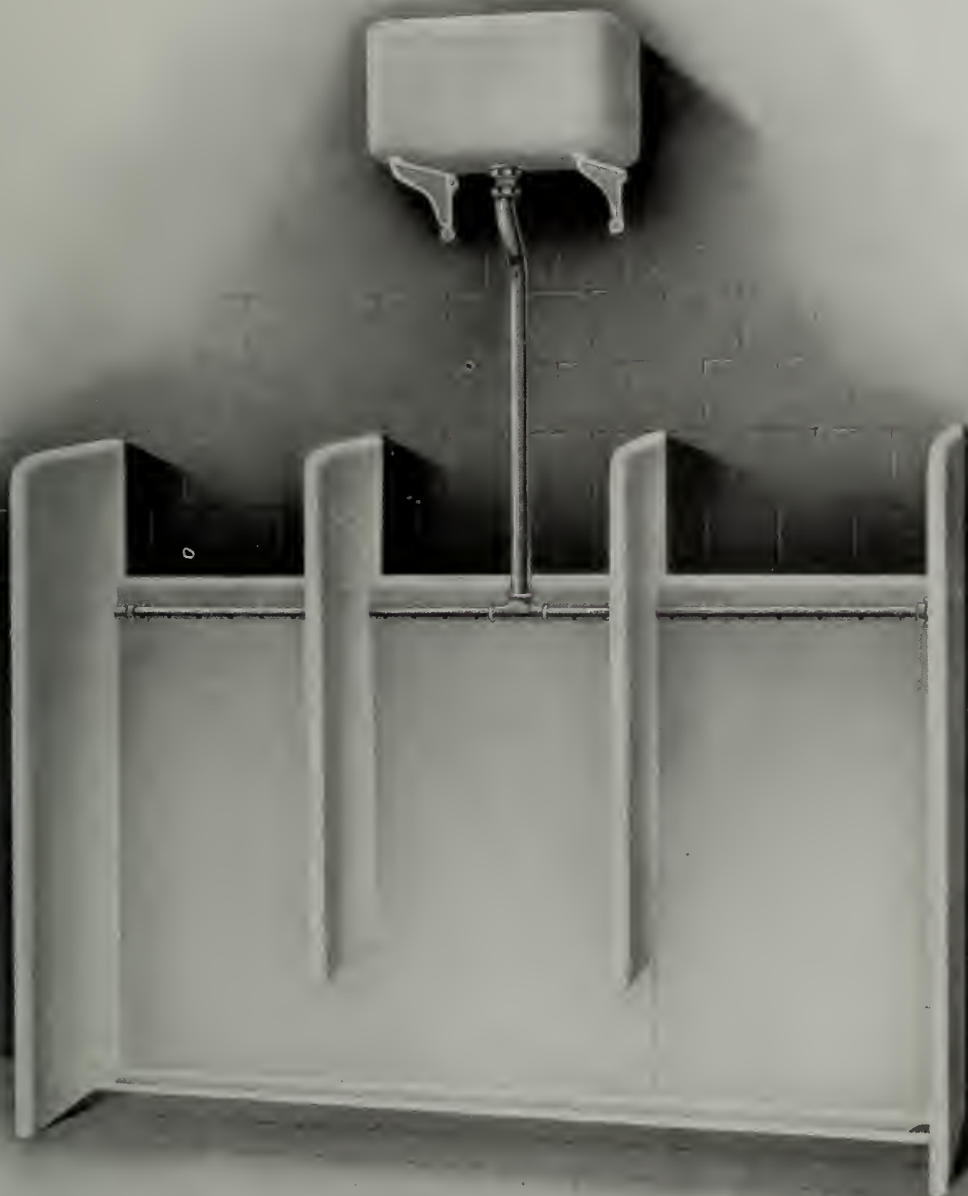
# THE "LONDON" URINAL RANGE.



No. 1304. **Urinal Range**, comprising Stalls with Sole and Channel in one piece, Low Dividing Columns, Grooved Tread Plates and Automatic Cistern, all in best Enamelled Fireclay Ware. White Enamelled Iron Cistern Brackets, Solid-drawn Copper Flush Pipes with Gun-metal Spreaders and Gun-metal Dome-shaped Outlet Grating.

				No. 1304.—Medium Size.					No. 1304A.—Small Size.						
				White Porcelain Enamelled.			Buff Glazed.		White Porcelain Enamelled.			Buff Glazed.			
Range for Two Persons ...	...	...	...	£12	0	9	£10	3	9	£11	6	9	£9	13	3
Extra per Person ...	...	...	...	5	6	3	4	13	6	4	19	6	4	2	6
Height from floor to top of division				...	...	3 ft.	11 in.	...	...	3 ft.	9 in.	...	...	...	...
" " " stall				...	...	3 ft.	6 in.	...	...	3 ft.	4 in.	...	...	...	...
Centre ...				...	...	2 ft.	0 in.	...	...	1 ft.	9 in.	...	...	...	...
Projection from wall to front of dividing column				...	...	1 ft.	5 in.	...	...	1 ft.	5 in.	...	...	...	...
" " " stall				...	...	1 ft.	0 in.	...	...	1 ft.	0 in.	...	...	...	...
Depth in floor				...	...	5½ in.	...	...	...	5½ in.	...	...	...	...	...

# SLAB URINAL RANGE.



No. 1305. **Slab Urinal Range**, comprising Backs, Divisions, Ends, Channel and Automatic Flushing Cistern, all in best Enamelled Fireclay Ware. Painted Cast-iron Cistern Brackets, Copper Flush Pipe with Clips and Gun-metal Dome-shaped Outlet Grating.

								White Porcelain Enamelled.	Buff Glazed.
Range for Two Persons ...	...	...	...	...	...	...	..	£13 0 6	£11 1 3
Extra per Person ...	...	...	...	...	...	...	...	4 7 0	3 12 9
If with Galvanized Wrought-iron Flush Pipe and Clips :									
Range of Two Persons ...	...	...	...	...	...	...	...	12 0 9	10 3 3
Extra per Person ...	...	...	...	...	...	...	...	4 1 3	3 7 3
Height of backs ...	...	...	...	...	...	...	...	3 ft. 6 in.	
Centres ...	...	...	...	...	...	...	...	2 ft. 0 in.	
Ends ...	...	...	...	...	...	...	...	4 ft. 6 in. high, 1 ft. 6 in. wide.	
Channel ...	...	...	...	...	...	...	...	9 in. wide, 5 in. deep.	

# PORCELAIN ENAMELLED FIRECLAY URINALS.



No. 1306. **Single Stall Flat Back Urinal**, comprising Stall with Sole and Channel in one piece, with full back, Saddle, Mosaic Tiled Tread Plate and Automatic Cistern, all in best quality Enamelled Fireclay Ware. Solid-drawn Copper Flush Pipe with Gun-metal Spreader and Gun-metal Dome-shaped Outlet Grating.

White Porcelain Enamelled.

£9 3 0

Buff Glazed.

£8 0 6

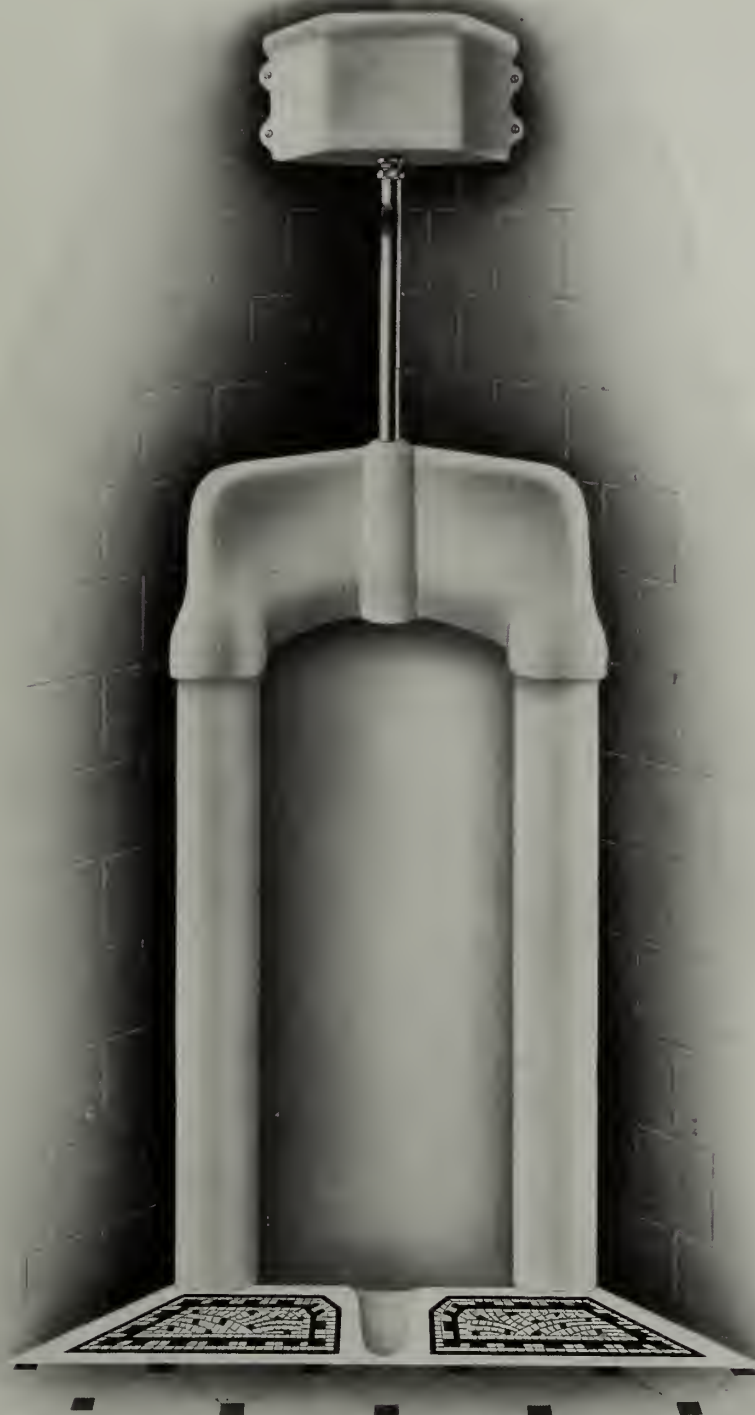
If with Grooved Tread Plates as No. 2189, instead of Mosaic Inlaid, *deduct 14/-* from each of above prices.

Sizes :

Height to top of back	...	...	...	...	...	...	...	...	4 ft. 7 in.
Projection from wall to front of stall	...	...	...	...	...	...	...	...	1 ft. 8 in.
Width	...	...	...	...	...	...	...	...	2 ft. 3 in.
Depth in floor	...	...	...	...	...	...	...	...	6½ in.



# PORCELAIN ENAMELLED FIRECLAY URINALS.



No. 1307. **Single Stall Angular Urinal**, comprising Stall with Sole and Channel in one piece, with Top, Saddle, Mosaic Tiled Tread Plate and Automatic Cistern, all in best quality Enamelled Fireclay Ware. Solid-drawn Copper Flush Pipe with Gun-metal Spreader and Gun-metal Dome-shaped Outlet Grating.

White Porcelain Enamelled.

£8 14 6

Buff Glazed.

£7 12 0

If with Narrow Grooved Fireclay Tread Plate as No. 2190, instead of Mosaic Inlaid, *deduct 14/-* from each of above prices.

From floor to top of Urinal	...	...	...	...	...	...	...	...	...	4 ft. 7 in.
Length of side	...	...	...	...	...	...	...	...	...	1 ft. 10 in.
Width across front	...	...	...	...	...	...	...	...	...	2 ft. 8 in.

# PORCELAIN ENAMELLED FIRECLAY URINALS.



No. 1308. **Single Stall Flat Back Urinal**, comprising Stall with Sole and Channel in one piece, Grooved Tread Plate and Automatic Cistern, all in best quality Enamelled Fireclay Ware. White Enamelled Iron Cistern Brackets, Solid-drawn Copper Flush Pipe, Gun-metal Spreader and Gun-metal Dome-shaped Outlet Grating.

White Porcelain Enamelled.  
£6 14 6

Buff Glazed.  
£5 14 9

NOTE.—For Buff Glazed Fireclay Stalls, Galvanized Iron Cistern Brackets will be supplied.

Height to top of Stall	...	...	...	...	...	...	...	...	...	3 ft. 6 in.
Width overall	...	...	...	...	...	...	...	...	...	2 ft. 0 in.
Projection from wall	...	...	...	...	...	...	...	...	...	1 ft. 0 in.
Depth in floor	...	...	...	...	...	...	...	...	...	5½ in.

# PORCELAIN ENAMELLED FIRECLAY URINALS.



No. 1309. **Single Stall Angular Urinal**, comprising Stall with Sole and Channel in one piece, Grooved Tread Plate and Automatic Cistern, all in best quality Enamelled Fireclay Ware. White Enamelled Iron Cistern Brackets, Solid-drawn Copper Flush Pipe with Gun-metal Spreader and Gun-metal Dome-shaped Outlet Grating.

White Porcelain Enamelled.

£6 14 6

Buff Glazed.

£5 14 9

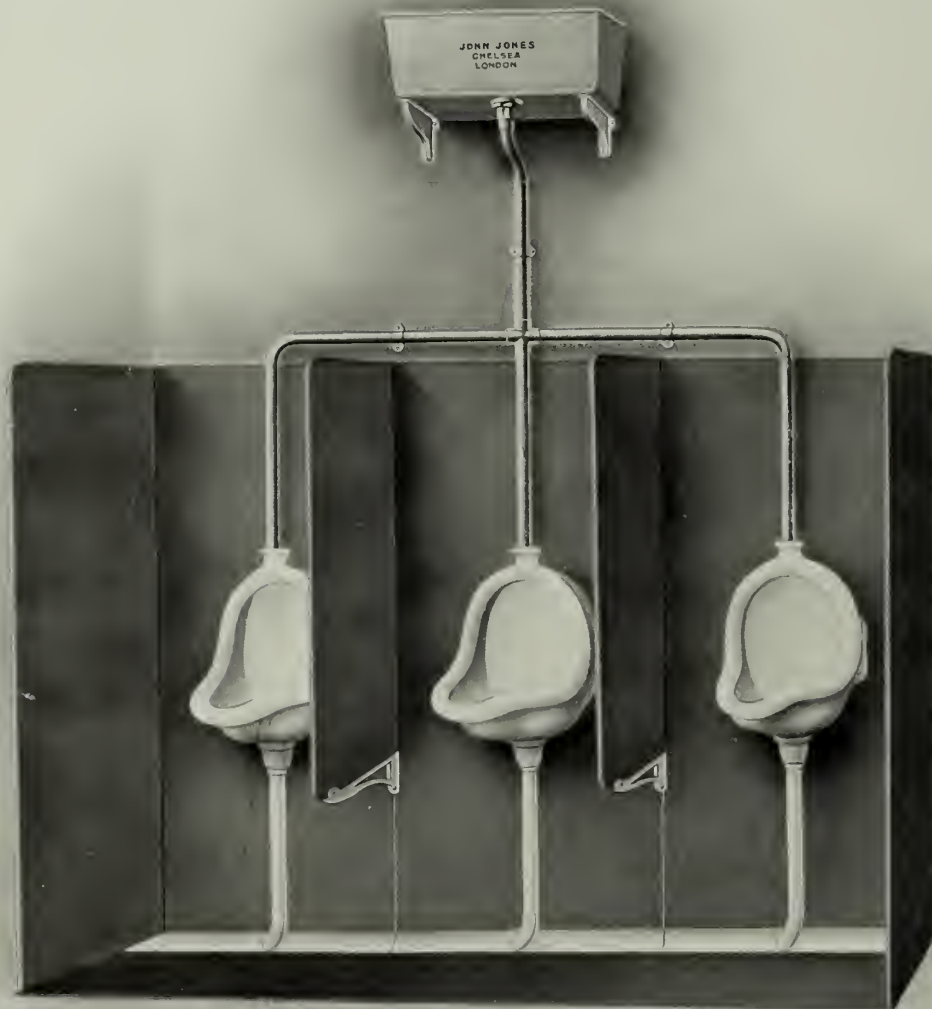
NOTE.—For Buff Glazed Stalls, Galvanized Iron Cistern Brackets will be supplied.

Height to top of Stall	...	...	...	...	...	...	...	...	...	3 ft. 6 in.
Width	...	...	...	...	...	...	...	...	...	2 ft. 3 in.
Length of side	...	...	...	...	...	...	...	...	...	1 ft. 7 in.
Depth in floor	...	...	...	...	...	...	...	...	...	5½ in.



# SLATE URINAL RANGE.

WITH LIPPED BASINS.



No. 1315. **Slate Urinal Range**, comprising best hard Welsh Slate Back, 5 ft. high by 2 ft. wide, Ends 1 ft. 9 in. wide, Divisions 1 ft. 6 in. wide, supported on strong Galvanized Cast-iron Brackets, fitted with White Vitrified Stoneware Lipped Basins and Discharge Pipes, Slate Floor Tread, White Glazed Stoneware Channels and Connections, with Improved Brass Locking Domed Grating and Frame, Stoneware Trap, Patent Automatic Syphon Flushing Cistern with Cast-iron Brackets and Solid-drawn Copper Service Pipes and Connections complete.

## PRICES.

Plain Slate	...	...	...	...	...	...	...	...	per Stall	£6 12 6
Enamelled Slate (any colour)	...	...	...	...	...	...	...	...	„	8 16 9

Extra for Galvanized Cistern and Brackets, 7/6.

Enquiries are solicited for Marble Urinal Ranges as above pattern, and Prices quoted.

# SLATE URINAL RANGE.

WITH DIVISIONS SUPPORTED ON BRACKETS.



No. 1316. **Slate Urinal Range**, comprising best hard Welsh Slate Back, 5 ft. high by 2 ft. wide, Ends 1 ft. 6 in. wide, Divisions 1 ft. 6 in. wide, supported on strong Galvanized Cast-iron Brackets, Slate Floor Tread, White Glazed Stoneware Channels and Connections, with Improved Brass Locking Domed Grating and Frame, Stoneware Trap, Patent Automatic Syphon Flushing Cistern with Cast-iron Brackets and Solid-drawn Copper Service Pipe and Connections complete.

## PRICES.

Plain Slate	...	...	...	...	...	...	...	...	per Stall	£3 17 6
Enamelled Slate (any colour)	...	...	...	...	...	...	...	...	„	5 3 6

Extra for Galvanized Cistern and Brackets, 7/6.

Enquiries are solicited for Marble Urinal Ranges as above pattern, and Prices quoted.

# SLATE URINAL RANGE.



No. 1317. **Slate Urinal Range**, comprising best hard Welsh Slate Back, 5 ft. high by 2 ft. wide, Ends 1 ft. 6 in. wide, Divisions 1 ft. 6 in. wide carried down to floor level, Slate Floor Tread, White Glazed Stoneware Channels and Connections, Improved Brass Locking Domed Grating and Frame, Stoneware Trap, Patent Automatic Syphon Flushing Cistern with Cast-iron Brackets and Solid-drawn Copper Sparge Pipes and Connections complete.

## PRICES.

Plain Slate	...	...	...	...	...	...	...	...	per Stall	£3 17 6
Enamelled Slate (any colour)	...	...	...	...	...	...	...	...	„	5 3 6

Extra for Galvanized Cistern and Brackets, 7/6.

Enquiries are solicited for Marble Urinal Ranges to above pattern, and Prices quoted.



# SLATE SCHOOL URINAL RANGE.



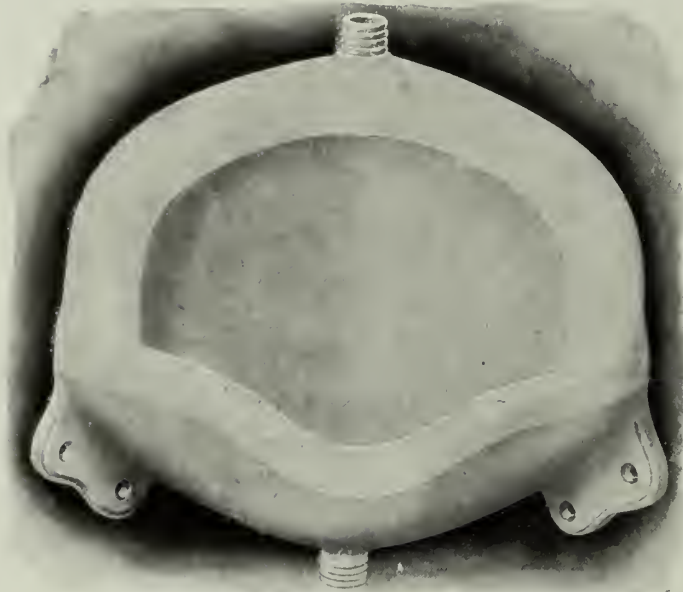
No. 1318. **Slate School Urinal Range**, comprising best hard Welsh Slate Back, 3 ft. 6 in. high, Ends 1 ft. 6 in. wide, Slate Floor Tread, White Glazed Stoneware Channels and Connections, Improved Brass Locking Domed Grating and Frame, Stoneware Trap, Patent Automatic Syphon Flushing Cistern with Cast-iron Brackets and Solid-drawn Copper Sparge Pipes and Connections complete.

## PRICES.

Plain Slate	...	...	...	...	...	...	...	per 6 ft. length	£6 17 3
Enamelled Slate (any colour)	...	...	...	...	...	...	...	"	9 3 0

Extra for Galvanized Cistern and Brackets, 7/6.

# URINALS.



No. 1319. Angular.

"Bedford" Urinals in White Glazed Semi-Porcelain, with Perforated Rim and Spreader.

No. 1319.—Sizes.

Overall.	Height.	Side.	PRICES.
14 × 14 in. ...	10 in. ...	9 in. ...	16/3
16 × 16 in. ...	11 in. ...	11 in. ...	18/9
18 × 18 in. ...	12 in. ...	12 in. ...	22/-

Extra for Secret Overflow ...  
 ,, White Glazed Loose Grating ...

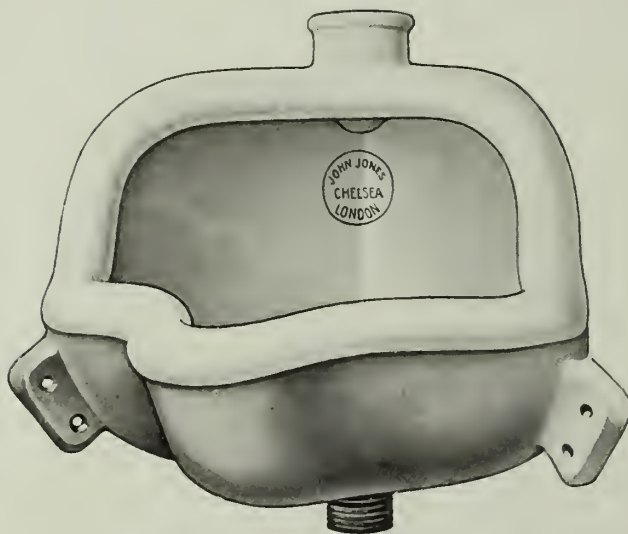


No. 1320. Flat Back.

No. 1320.—Sizes.

Overall.	Height.	PRICES.
12 × 11 in. ...	14 in. ...	16/3
15 × 11 in. ...	16 in. ...	18/9
16 × 13 in. ...	18 in. ...	22/-

... 1/6  
 ... 1/-



No. 1321. Angular.

"Bedford" Urinals in Vitrified Stoneware, with Flushing Rim and Socketted Inlet for Flush Pipe. These Urinals are made very strong to bear rough usage

No. 1321.—Size.

Overall.	Height.	Side.	PRICE.
17 × 17 in. ...	17½ in. ...	11 in. ...	18/9

For Automatic Flushing Tanks, see page 130.

Estimates given for Complete Slate Urinals with above Fittings.



No. 1322. Flat Back.

No. 1322.—Size.

Overall.	Height.	PRICE.
12½ × 11 in. ...	17½ in. ...	18/9

# ISOLATED LATRINES.

CONSISTING OF

PEDESTAL CLOSETS AND FLUSHING CISTERNS 'WITH GRAVITATION WATER SUPPLY.



The above is an example of **Improved Isolated Pedestal Latrines**, with Gravitation Water Supply to Flushing Cisterns. Under this principle only one Ball Valve is used to Supply Tank, which can be fixed inside or outside Latrine building, and instead of the slow process of filling each Flushing Cistern through separate Valves, immediately any of the Flushing Cisterns are discharged it refills under gravitation supply. Many ranges of these Latrines, ranging from three to twenty-four pedestals, have been supplied for Barracks, etc., under H.M. Government, and Schools under London County Council, with excellent results.

**Enquiries are solicited and Quotations given for Complete Sets.**

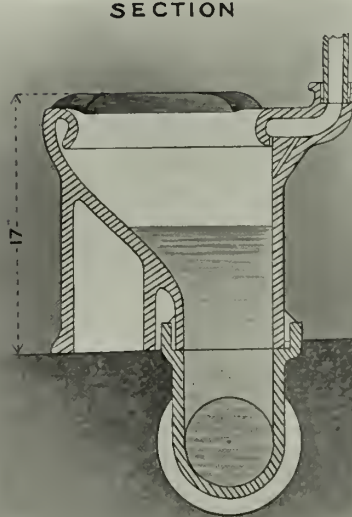


# IMPERIAL ISOLATED PEDESTAL LATRINES.

WITH SYPHONIC DISCHARGE AND AFTER-FLUSH.  
FOR ADULTS.



SECTION



No. 1325.

Over 50 ranges of these Latrines have been fixed at Woolwich Arsenal, for H.M. Government, War Dept.  
Also supplied to various Schools and Factories.

The **Imperial Isolated Pedestal Latrines**, with Syphonic Discharge and After-flush, form a special arrangement for Barracks, Workhouses, Factories, etc., having complete isolation of each Pedestal.

The flushing water is automatically discharged from Flushing Tank, and passing through Discharge Pipes enters each Basin, thoroughly cleansing the whole surface of same. The contents of Basin and Underground Pipe are removed by syphonic action working in conjunction with discharge from Flushing Tank, after which Basins and Underground Pipe are refilled with fresh water from After-flush.

The Pedestals have Flushing Rims, and are made of hard Non-Absorbent Vitrified Stoneware with Leadless Glaze, White inside, Buff outside, and fitted with Hardwood Seat Pads; Salt Glazed "Vitrison" Stoneware Underground Pipes and Connections, Galvanized Wrought-iron Improved Automatic Flushing Tank with Brackets, and Galvanized Cast-iron Flushing Pipes with all Connections complete.

Flushing Tank can be supplied with Pull-action Handle if required.

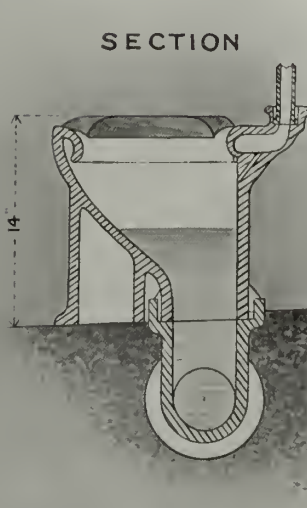
**FOR PRICES, SEE OPPOSITE PAGE.**

# IMPERIAL ISOLATED PEDESTAL LATRINES.

WITH SYPHONIC DISCHARGE AND  
AFTER-FLUSH. FOR CHILDREN.



SECTION



No. 1326.

No. 1326A.

No. 1326B.

The above system of **Latrine** is similar to that shewn on preceding page, with exception that smaller Pedestals with Underground Pipes and Connections are specially designed for Schools, Children's Homes, etc.

**PRICES FOR ADULTS**, Centres not exceeding 2 ft. 6 in.

No. 1325. For Three Pedestals	...	£10	5	0
No. 1325. Add per Pedestal	...	1	19	0

For Centres above 2 ft. 6 in. and not exceeding 3 ft.,  
2/6 per Pedestal extra.

**PRICES FOR CHILDREN.**

No. 1326. For Three Pedestals	...	£9	13	6
No. 1326. Add per Pedestal	...	1	17	6

No. 1326A. Add for Seat Rim, per Pedestal,	6/-
No. 1326B. " Seat Pads, " "	3/9

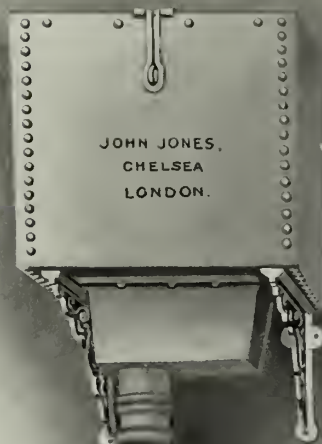
Plans and Specifications are solicited, and Prices with full particulars quoted.

Cast-iron, Slate, or Salt Glazed Locking Tile Divisions, with Iron Framework, quoted for on application.

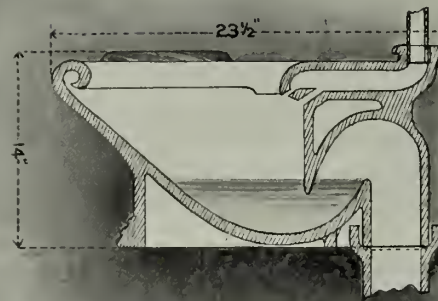
# ISOLATED LATRINES.

CONSISTING OF

“ GUILD ” SCHOOL PEDESTAL WASH-  
DOWN CLOSETS AND FLUSHING TANK.



SECTION.



No. 1327.

**Range of Latrines**, comprising “ Guild ” Regd. School Closet of hard Non-Absorbent Vitrified Stoneware, with Vertical Inlet and Seat Pads, White Glazed inside and Buff out ; Salt Glazed “ Vitriston ” Stoneware Underground Pipes and Connections ; Galvanized Wrought-iron Improved Flushing Tank and Brackets, Galvanized Cast-iron Discharge Pipes and Connections complete.

**PRICES**, Centres not exceeding 2 ft. 6 in.

Range of Three Pedestals ... ..	£9 15 0	Add per Pedestal ... ..	£1 18 3
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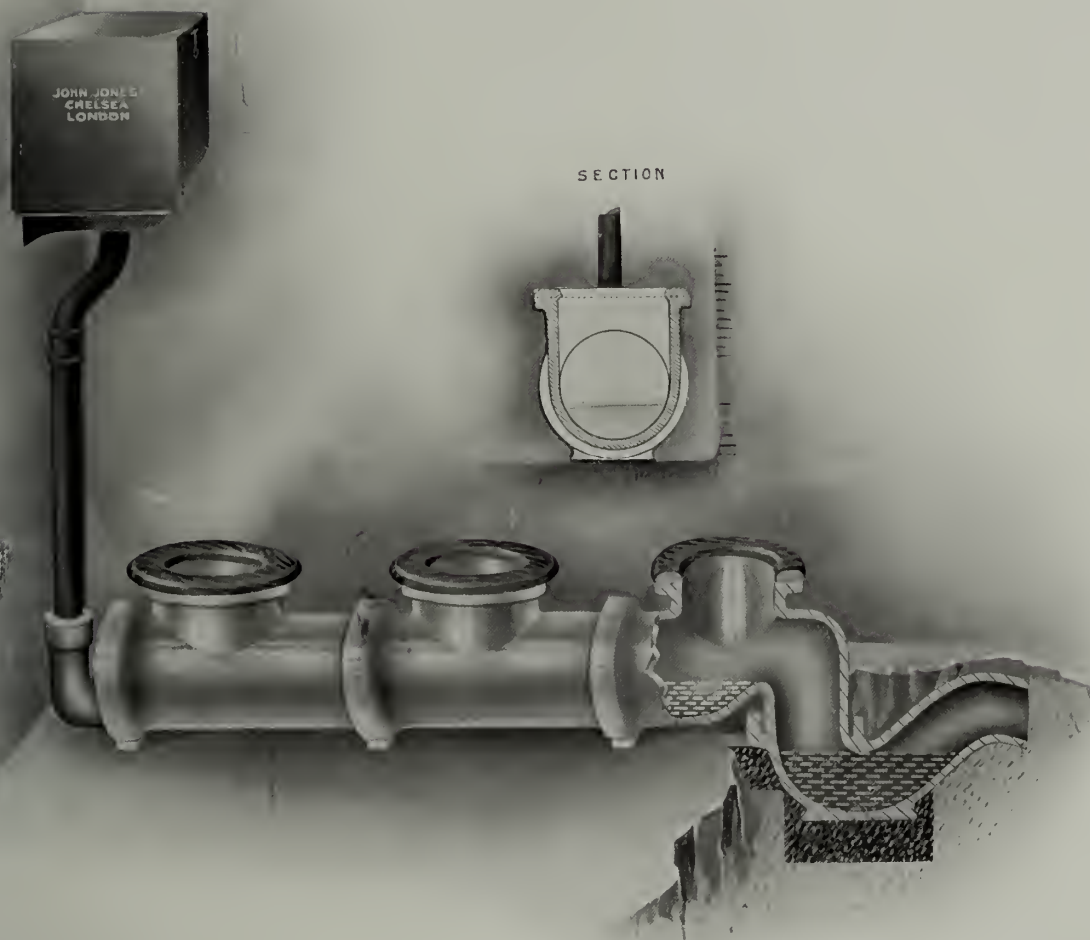
For Centres above 2 ft. 6 in., but not exceeding 3 ft., add per Pedestal extra, 2/6.

Cast-iron, Slate, or Salt Glazed Locking Tile Divisions quoted for on application.

Plans and Specifications are solicited, and Prices with full particulars quoted.



# TROUGH LATRINE.



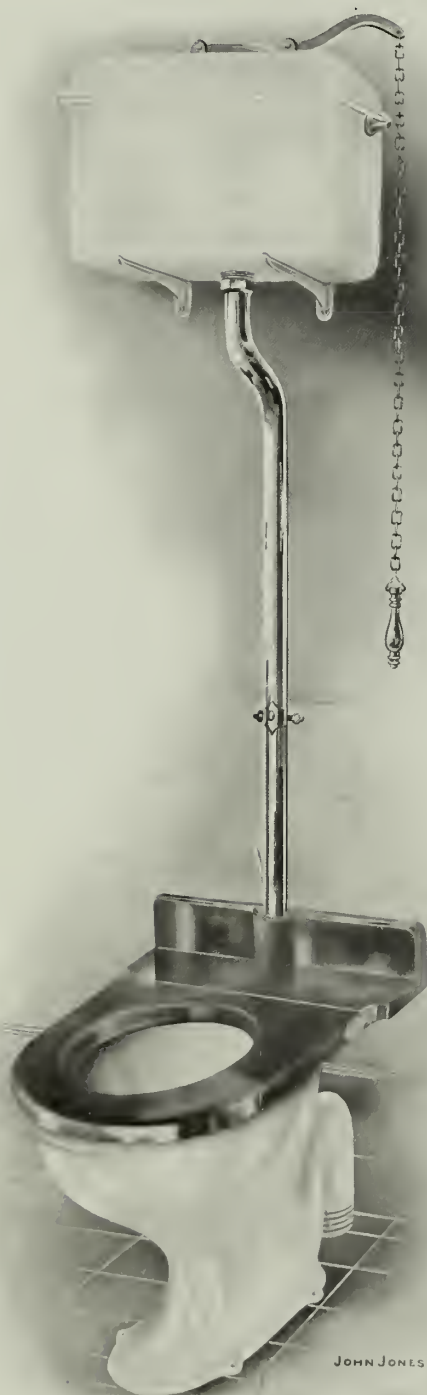
No. 1328. **Trough Latrine** of Salt Glazed or Buff Enamelled Glazed Stoneware, Hardwood Ring Seats secured to top of Pedestal, Galvanized Wrought-iron Automatic Flushing Tank and Brackets, Cast-iron Flushing Pipe. Complete as illustrated. 2 ft. or 2 ft. 6 in. Centres.

## PRICES.

				9 in. Bore.		12 in. Bore.	
				Salt Glazed.	Buff Glazed.	Salt Glazed.	Buff Glazed.
Three Persons	...	...	...	£5 10 0	£5 17 0	...	£7 0 0
Add per Person	...	...	...	1 14 0	1 16 0	...	2 2 6

Special Centres made to order.

## "IMPERIAL" WASH-DOWN CLOSET.



JOHN JONES (CHELSEA) LTD

This Closet is of Porcelain Enamelled Queensware. It is of handsome appearance and the easy sweep of both Basin and Trap allows it to be thoroughly flushed with a minimum of water.

The Flushing Cistern has an easy pull action, is noiseless and certain in action.

No. 1330. "Imperial" Closet Suite, comprising "Imperial" Pedestal Wash-down Closet, White Glazed inside and out, Painted Cast-iron Two-gallon Flushing Cistern with Silent Fittings, Cast-iron Brackets, 6 ft. Lead Flush Pipe with Union wiped on, Brass Pipe Clip and Buffer, Brass Chain and Pull Handle, Polished Mahogany Seat and Skirting.

Price ... .. £4 3 9

### EXTRAS.

Flushing Cistern, White Porcelain Enamelled outside or Galvanized.

Polished Brass, Nickel-plated, or White Porcelain Enamelled Flush Pipes quoted for on application.

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The above is an example only; any arrangement can be quoted for to suit special conditions.

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S or P Traps must be clearly stated.

## "OCEAN" WASH-DOWN CLOSET.



JOHN JONES (CHELSEA)

This Closet is of Porcelain Enamelled Fireclay Ware. It is of handsome appearance, combined with great strength.

The Basin has a large water area, and the Rim is formed to allow the flushing water to thoroughly clear and cleanse Closet.

NOTE.—Three-gallon Flushing Cistern is specially recommended to be used with this Closet.

No. 1331. "Ocean" Closet Suite, comprising "Ocean" Pedestal Wash-down Closet with large water area, White Glazed inside and out, Painted Cast-iron Three-gallon Flushing Cistern with Silent Fittings, Cast-iron Brackets, 6 ft. Lead Flush Pipe with Union wiped on, Brass Pipe Clip and Buffer, Brass Chain and Pull Handle, Polished Mahogany Seat and Pillar Hinges.

Price ... .. £4 3 6

### EXTRAS.

Flushing Cistern, White Porcelain Enamelled outside or Galvanized.

Polished Brass, Nickel-plated, or White Porcelain Enamelled Flush Pipes quoted for on application.

The above is an example only; any arrangement can be quoted for to suit special conditions.

S or P Traps must be clearly stated.



# **“SANI” HOSPITAL CLOSET.**



This Closet is of Porcelain Enamelled Fireclay Ware, with Corbel Fixing, and when fixed in position is clear of floor, allowing surroundings to be easily cleansed.

The “Carlyle” No. 3 Water Waste Preventer, with Silent Fittings is recommended to complete a perfect Hospital Closet Suite.

No. 1332. “Sani” Hospital Closet Suite, comprising “Sani” Hospital Closet, with Corbel Fixing, White Glazed inside and out, Galvanized Cast-iron Two-gallon Flushing Cistern with Silent Fittings, Galvanized Brackets, 6 ft. Lead Flush Pipe with Union wiped on, Brass Pipe Clip and Buffer, Brass Chain and Pull Handle, Polished Teak or Mahogany Seat with Special Hinges and Bolts.

Price ... .. £4 15 0

The above is an example of numerous Hospital Closet Suites we have supplied to various Hospitals, Asylums, &c. We shall be pleased to quote for similar Suites to suit special conditions.

S or P Traps must be clearly stated.

# "SLOANE" WASH-DOWN CLOSET.



This Closet is of Porcelain Enamelled Fireclay Ware. It is of handsome appearance combined with great strength and specially designed for first-class public work.

The Trap has an ample Water Seal and the Rim is formed to allow the flushing water to thoroughly clear and cleanse Closet.

The Flushing Cistern has an easy pull action, is noiseless, certain in action and with a rapid discharge.

No. 1333. "Sloane" Closet Suite, comprising "Sloane" Pedestal Wash-down Closet, White Glazed inside and out, Galvanized Cast-iron Two-gallon Flushing Cistern with Silent Fittings, Galvanized Brackets, 6 ft. Lead Flush Pipe with Union wiped on, Brass Pipe Clips and Buffer, Brass Chain and Pull Handle, Polished Mahogany Seat and Skirting.

Price ... .. £4 16 9

Deduct if "Carlyle" No. 4 Flushing Cistern .. 12/6  
 „ if "Carlyle" No. 2 „ „ ... 17/-

S or P Traps must be clearly stated.

# "MEDUSA" WASH-DOWN CLOSET.



This Closet is of special strength, being designed for use in Asylums, Schools and Public Buildings generally.

The Trap has an ample Water Seal and the Rim is formed to allow Flushing Water to thoroughly cleanse Closet and clear Trap with each flush.

The "Carlyle" No. 3 Flushing Cistern is illustrated, but "Carlyle" No. 4 or "Carlyle" No. 2 Flushing Cisterns are also recommended to work in conjunction with this Closet.

No. 1334. "Medusa" Closet Suite, comprising "Medusa" Pedestal Wash-down Closet, White Glazed inside and out, with Horizontal Inlet and Seat Extension, Galvanized Cast-iron Two-gallon Flushing Cistern with Silent Fittings, Galvanized Brackets, 6 ft. Lead Flush Pipe with Union wiped on, Brass Pipe Clip and Buffer, Brass Chain and Pull Handle, Polished Mahogany Closet Seat and Skirting with Side Hinges and Brass Bolts and Nuts for securing Seat to Closet.

Price ... .. £4 12 6

*Deduct* if Pedestal Closet White Glazed inside  
and Buff Glazed out ... .. 3/9

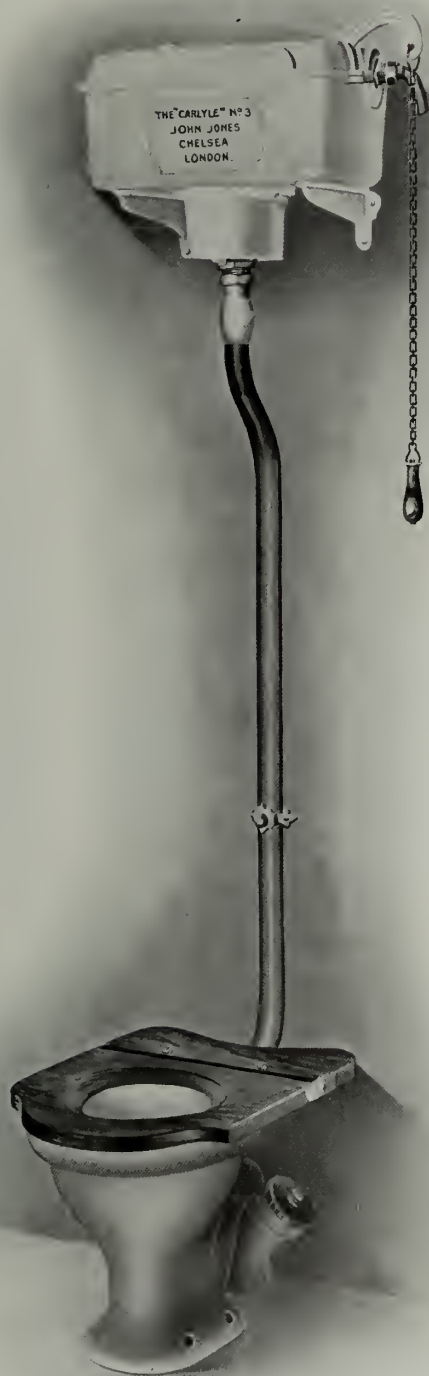
*Deduct* if "Carlyle" No. 4 Flushing Cistern ... 12/6  
,, if "Carlyle" No. 2 ,, ,, ... 17/-

S or P Traps must be clearly stated.



# "CARLYLE" WASH-DOWN CLOSET.

AWARDED BRONZE MEDAL, THE SANITARY INSTITUTE, 1902.



This Closet is of special Highly Glazed Non-absorbent Vitrified Stoneware, and recommended for Model Tenements, Schools, Factories, &c.

The Trap has an ample Water Seal, and the Rim is formed to allow flushing water to thoroughly cleanse Closet and clear Trap with each flush.

The "Carlyle" No. 3 Flushing Cistern is illustrated, but "Carlyle" No. 4 or "Carlyle" No. 2 Flushing Cisterns are also recommended to work in conjunction with this Closet.

No. 1335. "Carlyle" Closet Suite, comprising "Carlyle" Pedestal Wash-down Closet, White Glazed inside and out, with Horizontal Inlet and Seat Extension, Galvanized Cast-iron Two-gallon Flushing Cistern with Silent Fittings, Galvanized Brackets, 6 ft. Lead Flush Pipe with Union wiped on, Brass Pipe Clip and Buffer, Polished Mahogany Closet Seat with Side Hinges and Brass Bolts and Nuts for securing Seat to Closet.

Price ... £4 8 6

Extra for Brass Airtight Access Stopper ... 3/6

*Deduct* if Pedestal Closet White Glazed inside and Buff Glazed out ... 3/9

*Deduct* if Flush Pipe not supplied ... 15/-

„ if "Carlyle" No. 4 Flushing Cistern 12/6

„ if "Carlyle" No. 2 „ „ 17/-

The above, with "Carlyle" No. 2 Flushing Cistern, is an example of many thousands of "Carlyle" Closet Suites that have been supplied at home and abroad for H.M. Government, Admiralty and War Departments, London County Councils, &c.

S or P Traps must be clearly stated.

# "PEGASUS" WASH-DOWN CLOSET.

WITH CAST-IRON TRAP, WHITE PORCELAIN ENAMELLED INSIDE.



This Closet Suite is a combination of Highly Glazed Vitrified Stoneware Pedestal and Cast-iron Trap, White Porcelain Enamelled inside.

The Outlet of Trap can be connected to Cast-iron Soil Pipe or Cast-iron Drain direct, and having radial joint to Pan can be turned in any direction.

The flushing and cleansing of this Closet is perfect.

The "Carlyle" No. 3 Flushing Cistern is illustrated, but "Carlyle" No. 4 or "Carlyle" No. 2 Flushing Cisterns are also recommended to work in conjunction with this Closet.

No. 1336. "Pegasus" Closet Suite, comprising "Pegasus" Wash-down Closet, Pedestal White Glazed inside and out, with Horizontal Inlet and Seat Extension, Cast-iron Trap White Porcelain Enamelled inside, Galvanized Cast-iron Two-gallon Flushing Cistern with Silent Fittings, Galvanized Brackets, 6 ft. Lead Flush Pipe with Union wiped on, Brass Pipe Clip and Buffer, Polished Teak or Mahogany Closet Seat with Side Hinges and Brass Bolts and Nuts for securing Seat to Closet.

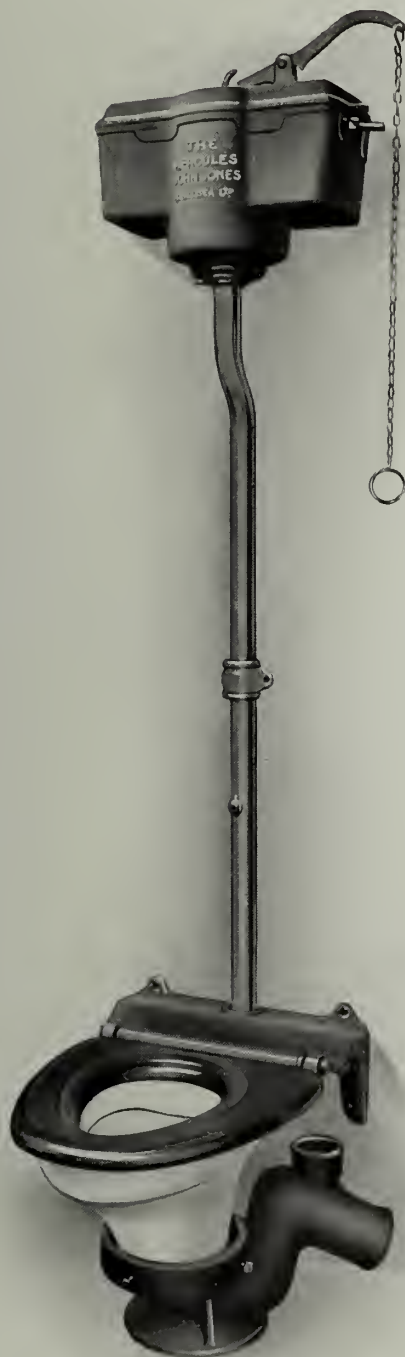
Price ... £5 0 0

<i>Deduct</i> if Flush Pipe not supplied ...	15/-
„ if "Carlyle" No. 4 Flushing Cistern	12/6
„ if "Carlyle" No. 2 „ „	17/-

S or P Traps must be clearly stated.

# "HERCULES" WASH-DOWN CLOSET.

WITH CAST-IRON TRAP, GLASS ENAMELLED INSIDE.



This Closet Suite is a combination of Highly Glazed Vitrified Stoneware Pan and Cast-iron Trap, Glass Enamelled inside.

This combination is specially recommended for Model Dwellings and Tenement Buildings.

The Outlet of Trap can be connected to Cast-iron Soil Pipe or Cast-iron Drain direct, and having radial joint to Pan can be turned in any direction.

No. 1337. "Hercules" Closet Suite, comprising "Hercules" Wash-down Closet, Pan White Glazed inside, Buff Glazed out, with Horizontal Inlet and Seat Extension, Cast-iron Trap Glass Enamelled inside, Painted Cast-iron Two-gallon Flushing Cistern with Fixing at back, Galvanized Cast-iron Flush Pipe with Connection to Flushing Cistern and Closet, Polished Hardwood Seat hinged to and including Painted Cast-iron Seat Rail, as illustrated.

Price ... £3 19 9

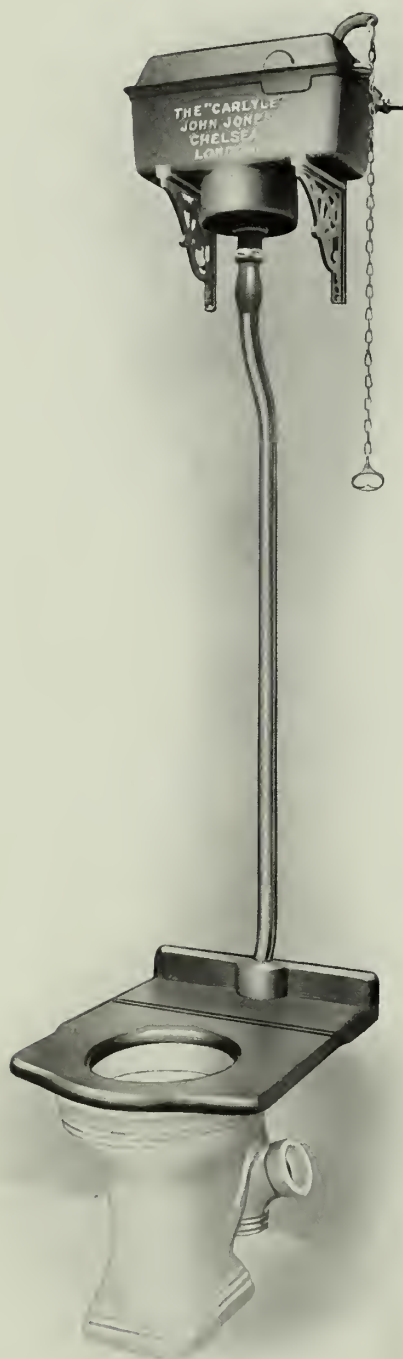
Can also be supplied with Seat-action Operating Flushing Cistern.

The above is an example of Water Closet Suite that we have supplied to "Lewis' Trust," "Guinness's Trust," and similar Model Dwellings and Tenement Buildings in London and Country. Enquiries are solicited and quotations given for various combinations to meet the requirements in similar buildings.

S or P Traps must be clearly stated.



## "VULCAN" WASH-DOWN CLOSET.



This Closet is of Highly Glazed Non-absorbent Vitrified Stoneware, and is recommended for moderately priced work.

The "Carlyle" No. 2 Flushing Cistern is illustrated, forming a moderately priced combination, but the various other Flushing Cisterns shewn in list may be used with every confidence.

No. 1338. "Vulcan" Closet Suite, comprising "Vulcan" Pedestal Wash-down Closet, White Glazed inside and Buff Glazed out, with Horizontal Inlet and Seat Extension, Painted Cast-iron Flushing Cistern, Painted Brackets, 6 ft. Lead Flush Pipe with Union wiped on, Polished Birch Seat with Skirting and Side Hinges, Bolts and Nuts for securing Seat to Closet.

<b>Price</b>	...	<b>£2 15 0</b>
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Extra if Pedestal Closet White Glazed	
inside and out	... .. 3/-

Deduct if Flush Pipe not required	... .. 15/-
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Galvanized Steel Flush Pipe quoted on application.

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S or P Traps must be clearly stated.

## "EMPIRE" WASH-DOWN CLOSET.



This Closet is of Highly Glazed Earthenware and is an efficient Sanitary Fitting at a moderate price.

The "Empire" Flushing Cistern is illustrated, but the "Carlyle" or various other Flushing Cisterns shewn in list may be used with every confidence.

No. 1339. "Empire" Closet Suite, comprising Pedestal Wash-down Closet, White Glazed inside and out, with Horizontal Inlet and Seat Extension, Painted Cast-iron Flushing Cistern, Painted Brackets, 6 ft. Lead Flush Pipe with Union wiped on, Polished Mahogany Seat with Back Rail, Bolts and Nuts for securing Seat to Closet.

<b>Price</b>	...	<b>£2 10 0</b>
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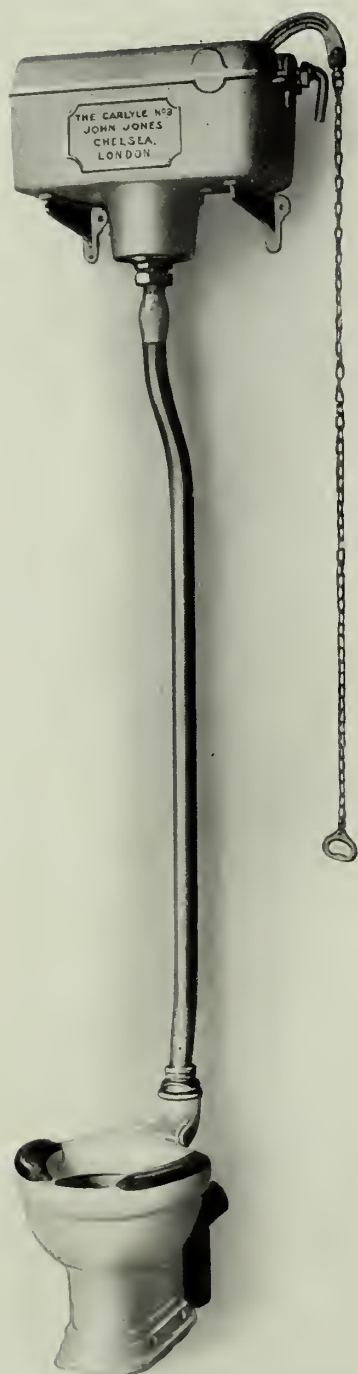
<i>Deduct if Flush Pipe not required</i>	...	<b>15/-</b>
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Galvanized Steel Flush Pipe quoted on application.

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S or P Traps must be clearly stated.

## "GUILD" WASH-DOWN SCHOOL CLOSET.



This Closet is of Highly Glazed Non-absorbent Vitrified Stoneware, and specially recommended for Children's Water Closets in Schools, Asylums, &c.

The outlet is constructed to discharge direct into iron or stoneware drain.

The Vertical Inlet Arm admits of Lead or Iron Flush Pipe being connected without bends and secured close to wall.

The Flushing Cistern has an easy pull action.

No. 1340. "Guild" School Closet Suite, comprising "Guild No. 1" Pedestal Wash-down School Closet, White Glazed inside and Buff Glazed out, with Vertical Inlet Arm, Seat Pads and Airtight Access Stopper on outlet, Galvanized Cast-iron Two-gallon Flushing Cistern, Galvanized Brackets, Galvanized Iron or Lead Flush Pipe, Chain and Pull Handle with Brass Swivel Attachment.

Price ... £3 15 0

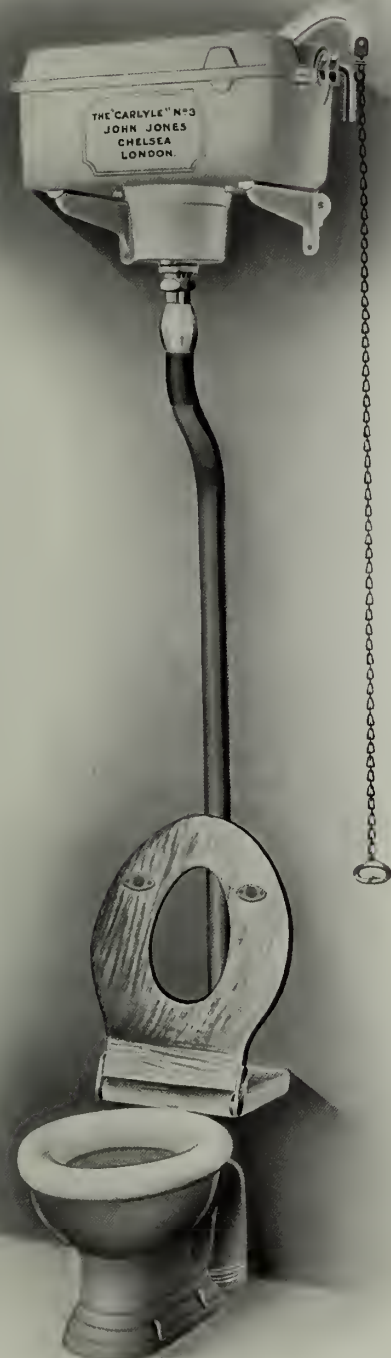
Extra for Galvanized Chain Casing and Clips ...	3/-
Deduct if Flush Pipe not required ...	15/-
„ if "Carlyle" No. 2 Flushing Cistern ...	17/-
„ if "Carlyle" No. 4 „ „ ...	12/6

Galvanized Steel Flush Pipes quoted on application.

The above is an example of School Closet Sets that have been supplied to Schools under the London County Council and various other Education Authorities.



## "GUILD" WASH-DOWN SCHOOL CLOSET.



This Closet is almost similar to the one shewn on opposite page with exception that in this instance Hinged Seat is provided for Infants, and Flush Pipe is connected to Horizontal Inlet.

The "Carlyle" No. 3 Flushing Cistern is illustrated, but "Carlyle" No. 2 or "Carlyle" No. 4 Flushing Cisterns are recommended, if desired.

No. 1341. "Guild" Infants' School Closet Suite, comprising "Guild" No. 4 Pedestal Wash-down School Closet, White Glazed inside, Buff Glazed out, Horizontal Inlet, Airtight Access Stopper on Outlet, Galvanized Cast-iron Two-gallon Flushing Cistern, Galvanized Brackets, Galvanized Iron or Lead Flush Pipe and Clip, White Wood Hinged Seat with Brass Side Hinges, Galvanized Cantilever Brackets for securing Seat, including Brass Bolts and Nuts, Galvanized Chain and Pull Handle with Brass Swivel Attachment.

<b>Price</b>	...	<b>£4 7 6</b>
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Extra for Galvanized Chain Casing and Clip	...	3/-
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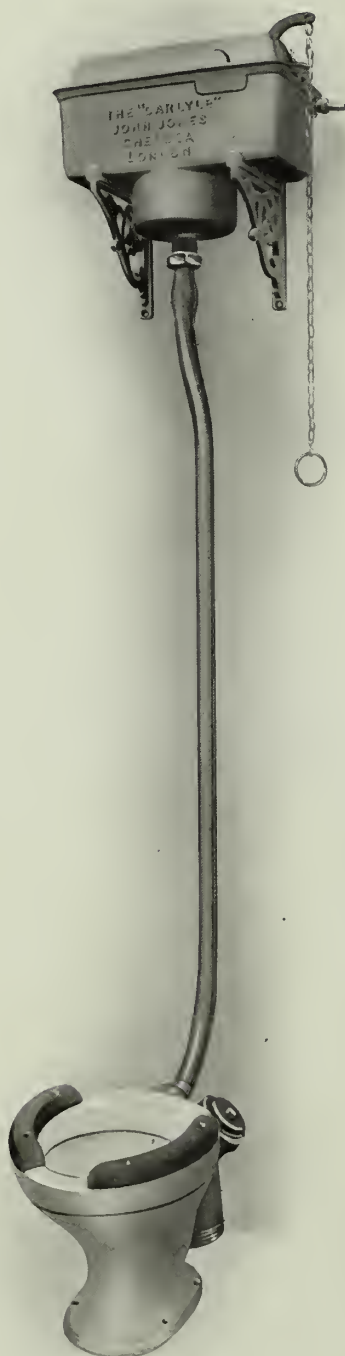
<i>Deduct</i> if Flush Pipe not required	...	15/-
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,, if "Carlyle" No. 2 Flushing Cistern	...	17/-
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The above is an example of **Infants' School Closet Sets** that have been supplied to Schools under London County Council and various other Education Authorities.

# "EXCELSIOR" WASH-DOWN SCHOOL CLOSET.



This Closet is of Highly Glazed Non-absorbent Vitrified Stoneware, and the complete combination illustrated is recommended for moderately-priced work.

No. 1342. "Excelsior" School Closet Suite, comprising "Excelsior" Pedestal Wash-down School Closet White Glazed inside and Buff Glazed out, with Horizontal Inlet, Seat Pads and Airtight Access Stopper on Outlet, Painted Cast-iron Flushing Cistern, Painted Brackets, and Galvanized Iron or Lead Flush Pipe with Brass Union for connection to Flushing Cistern.

Price ... £2 10 0

Extra for Galvanized Flushing Cistern and

Brackets ... 4/6

Deduct if Flush Pipe not required ... 15/-

Galvanized Steel Flush Pipes quoted on application.

S or P Traps must be clearly stated.

# **“MEDUSA” WASH-DOWN CLOSET.**

WITH COMBINATION LOW-DOWN CISTERN.

The drawing illustrates the “Medusa” Wash-down Closet fitted in combination with a Low-down Flushing Cistern with Polished Mahogany Casing. The interior fittings of Flushing Cistern may be Float Valve or Valveless Syphon.

No. 1345. “Medusa” Combination Closet Suite, comprising “Medusa” Pedestal Wash-down Closet White Glazed inside and out, with Horizontal Inlet and Seat Extension, Three-gallon Low-down Float Valve Flushing Cistern with Enamelled Flush Pipe and Polished Mahogany Casing, Polished Mahogany Closet Seat with Brass Hinges.



<b>Price</b>	...	<b>£5 5 0</b>
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Extra if Cistern is supplied with Valveless

Syphon Fittings	...	...	...	<b>10/-</b>
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Extra if Hinged Lid to Seat	...	...	...	<b>8/6</b>
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## MEASUREMENTS.

Height overall	...	...	...	<b>4 ft. 1½ in.</b>
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Width over Cistern	...	...	...	<b>1 ft. 10 in.</b>
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Projection from Wall	...	...	...	<b>2 ft. 7½ in.</b>
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S or P Traps must be clearly stated.



# “MEDUSA” WASH-DOWN CLOSET.

WITH LOW-DOWN CISTERN.



This drawing illustrates the “Medusa” Wash-down Closet fitted with Cast-iron Low-down Flushing Cistern. The interior fittings of Flushing Cistern may be Float Valve or Valveless Syphon.

No. 1346. “Medusa” Combination Closet Suite, comprising “Medusa” Pedestal Wash-down Closet, White Glazed inside and out, with Horizontal Inlet and Seat Extension, Three-gallon Painted Cast-iron Low-down Float Valve Flushing Cistern, with Enamelled Flush Pipe and Polished Mahogany Closet Seat, with Brass Hinges, Bolts and Nuts for securing Seat to Closet.

Price ... £3 5 0

Extra if Cistern is supplied with Valveless Syphon Fittings	...	...	15/-
„ if Cistern and Flush Pipe White Porcelain Enamelled outside	...	...	15/-
Deduct if Pedestal Closet White Glazed inside and Buff Glazed out	...	...	4/6

## MEASUREMENTS.

Height Overall	...	...	...	4 ft. 0 in.
Width over Cistern	...	...	...	1 ft. 10 in.
Projection from Wall	...	...	...	2 ft. 3 in.

Two-gallon Flushing Cistern fitted with Valveless Syphon may be supplied to meet regulations of Water Authorities; Three-gallon size is always supplied unless otherwise mentioned.

S or P Traps must be clearly stated.

# **“MEDUSA” WASH-DOWN CLOSET.**

**WITH LOW-DOWN CISTERN.**



The drawing illustrates the “Medusa” Wash-down Closet fitted with Cast-iron Low-down Flushing Cistern actuated on the “Pull-and-let-go” method, to provide a moderately-priced combination

The Closet is effectively flushed with two-gallons of water.

No. 1347. “Medusa” Combination Closet Suite, comprising “Medusa” Pedestal Wash-down Closet, White Glazed inside and out, with Horizontal Inlet and Seat Extension, Two-gallon Painted Cast-iron Flushing Cistern and Cast-iron Flush Pipe, Polished Mahogany Closet Seat with Brass Hinges, Bolts and Nuts for securing Seat to Closet.

Price ... £3 0 0

Extra if Three-gallon Flushing Cistern ... 3/6

Deduct if Pedestal Closet White Glazed  
inside and Buff Glazed out ... 4/6

## **MEASUREMENTS.**

Height to Top of Cistern	...	...	3 ft. 6 in.
Width over Cistern	...	...	1 ft. 9 in.
Projection from Wall	...	...	2 ft. 3 in.

## EARTH CLOSETS.



No. 1350.

**Improved Self-acting Pedestal Earth Closet, with Polished Oak Case and Seat, Enamelled Iron Rim and Galvanized Pail, £5 0 0**

Extra for Polished Teak or Mahogany Case and Seat, 7/6

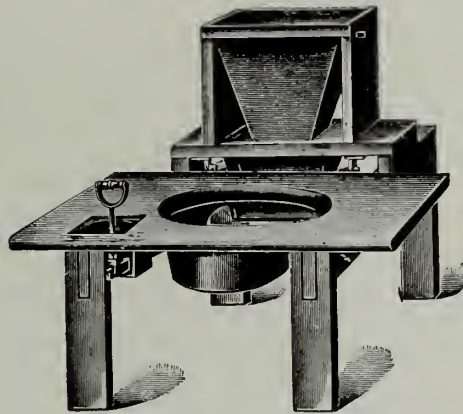


No. 1351.

**Improved Front Hand-action Pedestal Earth Closet, with Polished Oak Case and Seat, Brass Handle, Enamelled Iron Rim and Galvanized Pail, £3 10 0**



# EARTH CLOSETS.

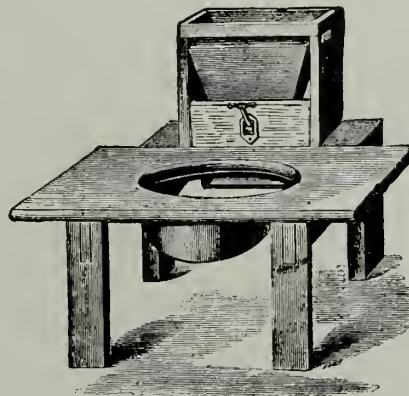


No. 1352.

**Earth Closet**, with Pull-up Apparatus, Whitewood Seat, 3 ft. long, on Bearers ready for fixing.  
This Apparatus is unique for reliability, unable to get out of order.

If with Galvanized Iron Rim and Iron Handle	...	...	...	...	...	...	...	40/9
„ Enamelled Iron Rim and Brass Handle	...	...	...	...	...	...	...	48/6
Extra for above with Self-acting Seat Apparatus with Galvanized Iron Rim	...	...	...	...	...	...	...	6/3
Do. do. do. with Enamelled Iron Rim	...	...	...	...	...	...	...	2/-

Extra for Galvanized Pails (see below).

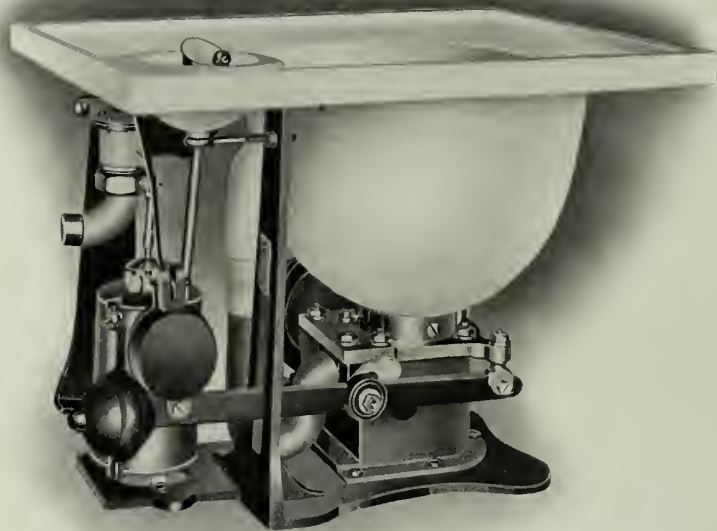


No. 1353.

**Earth Closet**, with Improved Front-pull Apparatus, Whitewood Seat, 3 ft. long, on Bearers ready to fix, with Iron Handle and Galvanized Iron Rim, 34/-.

<b>Galvanized Pails</b> extra to Apparatus, 17 × 13 in. at top, back 11½ in., front 13½ in. high	...	...	...	...	...	...	...	4/9
Galvanized Iron Rims or Urine Guards	...	...	...	...	...	...	...	1/6

# VALVE CLOSET.



The Trap being above Floor Line, and having Improved Radial Joint, enables the Outlet to be fixed in any direction.

No. 1355. **Valve Closet** (best quality), 1 in. Valve, best Brass Fittings, Ground-in Axle, Shield Lug, White or Decorated Flushing Rim Basin with Slop Top, Polished Brass Cover, Copper Bellows Regulator of best quality, Enamelled Iron or Lead Box with Trap above Floor Line.

<b>Price Complete</b>	...	...	£6 18 9
Extra for 1½ in. Valve	...	...	5/-
„ 1½ in. „	...	...	6/9
„ Nickel-plated Dish and Handle	...	...	7/6
„ Brass Cap and Screw to Trap on Side	...	...	2/6

Enquiries are solicited for Valve Closets to Architect's specification.

NOTE.—When head of Water is under 30 ft.	...	1 in. Valve is recommended.
„ „ „ 15 ft.	...	1¼ in. „ „
„ „ „ 9 ft.	...	1½ in. „ „

# VALVE CLOSET.



The Trap being above Floor Line, and having Improved Radial Joint, enables the Outlet to be fixed in any direction.

No. 1356. **Valve Closet** (best quality), 1 in. Valve, best Brass Fittings, Ground-in Axle, Shield Lug, White or Decorated Flushing Rim Basin, Polished Brass Cover, Copper Bellows Regulator of best quality, Enamelled Iron or Lead Box with Trap above Floor Line.

<b>Price Complete</b>	...	...	£5	8	9
Extra for 1½ in. Valve	...	...	...	...	2/3
„ 1½ in. „	...	...	...	...	6/9
„ Nickel-plated Dish and Handle	...	...	...	...	7/6
„ Brass Cap and Screw to Trap at side	...	...	...	...	2/6

Enquiries are solicited for Valve Closets to Architect's specification.

NOTE.—When head of Water is under 30 ft.			...	1 in. Valve is recommended.
„	„	„ 15 ft.	...	1½ in. „ „
„	„	„ 9 ft.	...	1½ in. „ „



## THE "IMPERIAL" WASH-DOWN CLOSET.



This Closet is made of Highly Glazed Semi-Porcelain, specially designed and recommended for first-class work.

No. 1360. "Imperial" Wash-down Closet, with Horizontal Inlet, best quality, White Glazed inside and out

Price ... £1 5 0

S or P Traps must be clearly stated.

Supplied with Vent Socket, Left or Right Hand, on S or P Trap.

## THE "CADOGAN" WASH-DOWN CLOSET.

WITH LEAD TRAP.

This Closet is made of Highly Glazed Semi-Porcelain. The Trap being a separate part is of Lead and wiped on direct to Lead Soil Pipe.

The Outgo of Trap can be turned in any direction to suit Soil Pipe.

No. 1361. "Cadogan" Wash-down Closet, with Horizontal Inlet, best quality, White Glazed inside and out, with Lead Trap.

Price ... £1 12 6

S or P Traps must be clearly stated.



## THE "OCEAN" WASH-DOWN CLOSET.



This Closet is made of Highly Glazed Heavy Fireclay Ware. It has a large water area.

NOTE.—Three-gallon Flushing Cistern is specially recommended to be used with this Closet.

No. 1362. "Ocean" Wash-down Closet, with Horizontal Inlet, best quality Highly Glazed Heavy Fireclay, White Glazed inside and Buff Glazed outside.

Price ... £1 4 3

No. 1362A. Do. do., White Glazed inside and out.

Price ... £1 7 3

S or P Traps must be clearly stated.

## THE "PEGASUS" WASH-DOWN CLOSET.

WITH CAST-IRON TRAP,  
WHITE PORCELAIN ENAMELLED INSIDE.

This Closet is made of Highly Glazed Semi-Porcelain. The Trap being a separate part is of Cast-iron, White Porcelain Enamelled inside.

No. 1363. "Pegasus" Wash-down Closet, best quality, White Glazed inside and out, with Cast-iron Trap White Porcelain Enamelled inside.

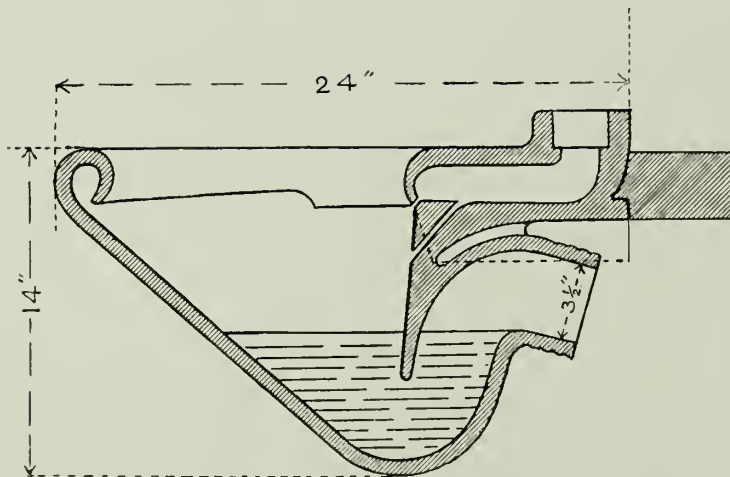
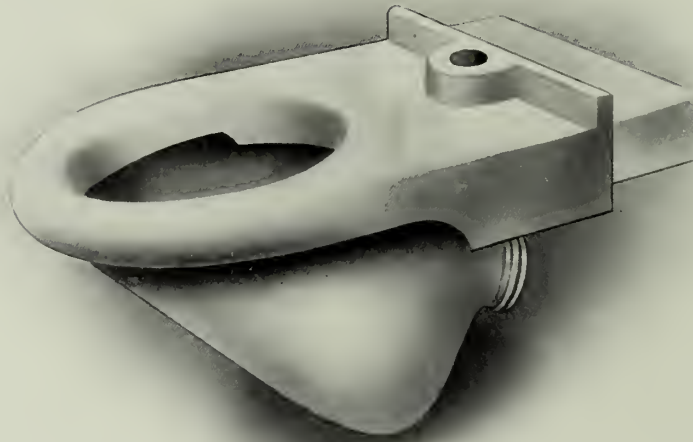
Price ... £1 12 6

S or P Traps must be clearly stated.

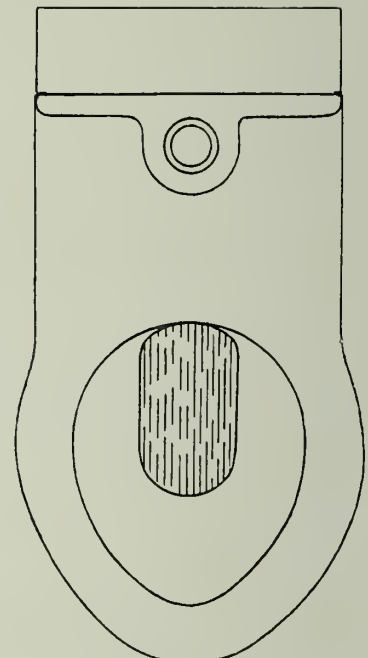


## "SANI" HOSPITAL CLOSET.

WITH CORBEL FIXING.



Section giving Detail Measurements.



Plan.

This Closet is made of Highly Glazed strong Porcelain Enamelled Fireclay, and has Corbel Fixing at back. Each Closet is fitted up in position for testing purposes before leaving works, so that thorough cleansing with each flush is guaranteed.

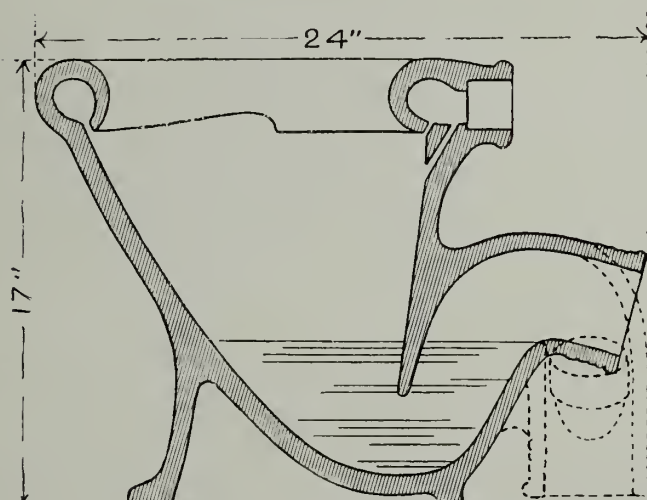
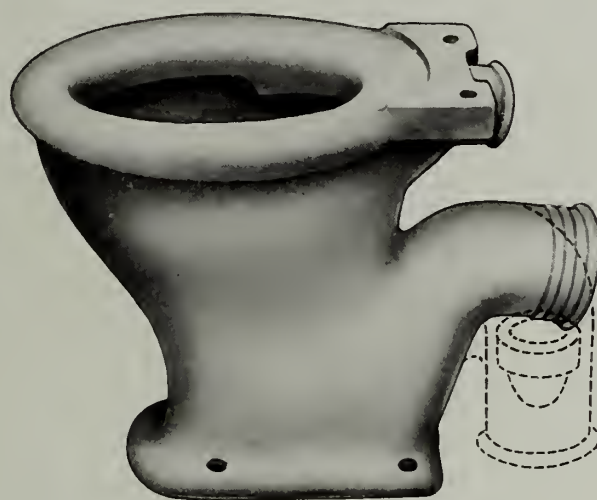
### PRICES.

No. 1364.	“Sani ” Hospital Closet, with Vertical Inlet, White Glazed inside, Buff Glazed outside, with Corbel to build in wall	...	...	...	...	...	...	£1 18 6
„ 1364A.	Do. White Glazed inside and out, and do.	do.	do.	...	...	...	...	2 2 9

S or P Traps must be clearly stated.



# **"SLOANE" WASH-DOWN CLOSET.**



Section giving Detail Measurements.  
Outlet, also made 45°. L. or R Hand.

This Closet is made of Highly Glazed strong Porcelain Enamelled Fireclay. Seat Extension is provided to fix Closet Seat.

## **PRICES.**

No. 1365. "Sloane" Pedestal Wash-down Closet, with Horizontal Inlet and Seat Extension,							
	White Glazed inside, Buff Glazed outside	...	...	...	...	...	£1 9 3
„ 1365A.	Do. White Glazed inside and out	...	...	...	...	...	1 12 6

S or P Traps must be clearly stated.

## "MEDUSA" WASH-DOWN CLOSET.



This Closet is made of Highly Glazed strong Non-absorbent Vitrified Stoneware.

It is designed to be flushed with Two gallons of water, and meets all requirements of Sanitary Authorities.

### PRICES.

No. 1366.	"Medusa"				
	Pedestal Wash-down				
	Closet, with Horizontal				
	Inlet and Seat Extension,				
	White Glazed				
	inside, Buff Glazed out				23/6
No. 1366A.	Do.	do.			
	White Glazed inside				
	and out	...	...		23/-

S or P Traps must be clearly stated

## "VULCAN" WASH-DOWN CLOSET.

This Closet is made of Highly Glazed strong Non-absorbent Vitrified Stoneware.

### PRICES.

No. 1367.	"Vulcan"				
	Pedestal Wash-down				
	Closet, with Horizontal				
	Inlet and Seat Extension,				
	White Glazed				
	inside and Buff Glazed				
	out	...	...	...	14/6
No. 1367A.	Do.	do.			
	White Glazed inside				
	and out	...	...	...	17/6

S or P Traps must be clearly stated



## "NEW CARLYLE" WASH-DOWN CLOSET.



No. 1368. "New Carlyle" Pedestal Wash-down Closet, with Vertical Inlet, and having Polished Mahogany Seat with Heavy Gun-metal Side Hinges secured to Pedestal. White Glazed inside and Buff Glazed out.

Price ... £1 15 0

No. 1368A. Do. do., as above, White Glazed inside and out.

Price ... £1 18 9

S or P Traps must be clearly stated.

## "CARLYLE RADIAL" WASH-DOWN CLOSET.

No. 1369. "Carlyle Radial" Wash-down Closet, with Horizontal Inlet and Seat Extension, and with Improved Air-tight Brass Radial Joint and Lead Outgo. White Glazed inside, Buff Glazed out.

Price ... £2 10 6

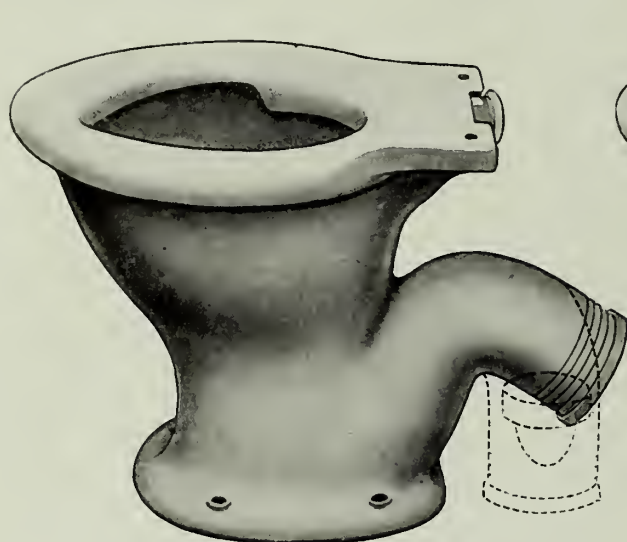
No. 1369A. Do. do., as above, White Glazed inside and out.

Price ... £2 14 3

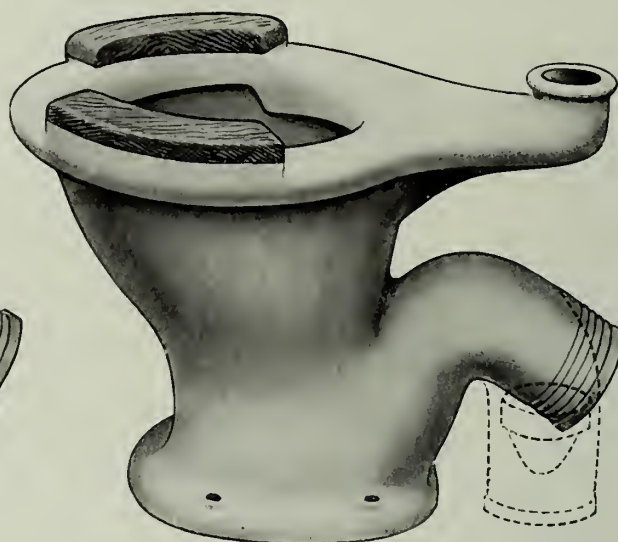




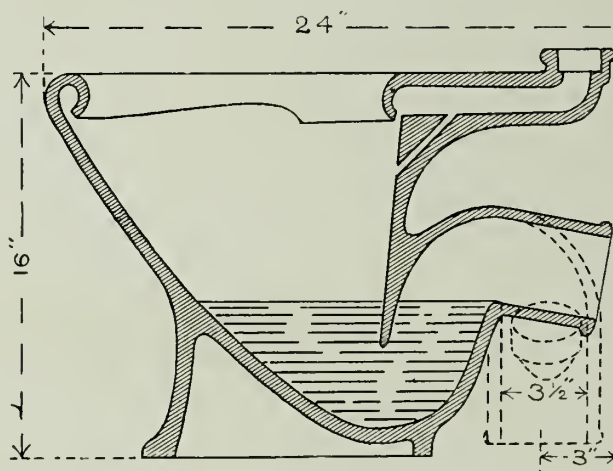
## “CARLYLE” WASH-DOWN CLOSET.



No. 1371.



No. 1372.



Section with Detail Measurements.

This Closet is made of Highly Glazed strong Non-absorbent Vitrified Stoneware, and is recommended for use where rough usage is likely to be obtained.

It is made with a Horizontal or Vertical Flushing Inlet, and the Rim is formed to allow flushing water to thoroughly clear and cleanse Closet.

### PRICES.

No. 1371.	“ Carlyle ” Pedestal Wash-down Closet, with Horizontal Inlet and Seat Extension, White Glazed inside, Buff Glazed out										...	...	...	...	...	...	...	...	24/-
„ 1371A.	Do.	do.	do.	White Glazed inside and out	...	...	...	...	...	...	...	...	...	...	...	...	27/9		
„ 1372.	Do.	with Vertical Inlet and Fixed Seat Pads, White Glazed inside and Buff Glazed out										...	...	...	...	...	...	...	27/3

S or P Traps must be clearly stated.

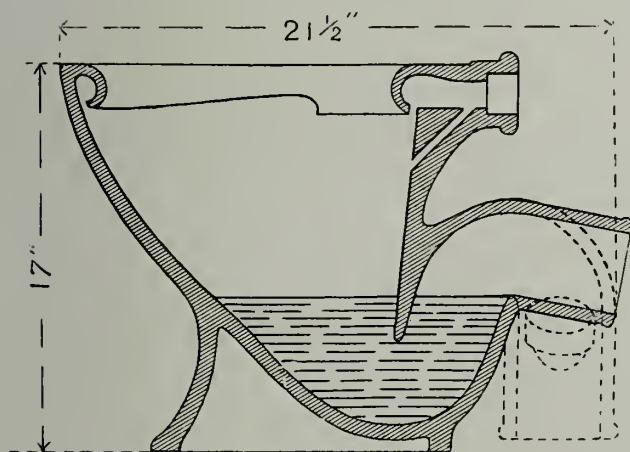
# **"MINERVA" WASH-DOWN CLOSET.**



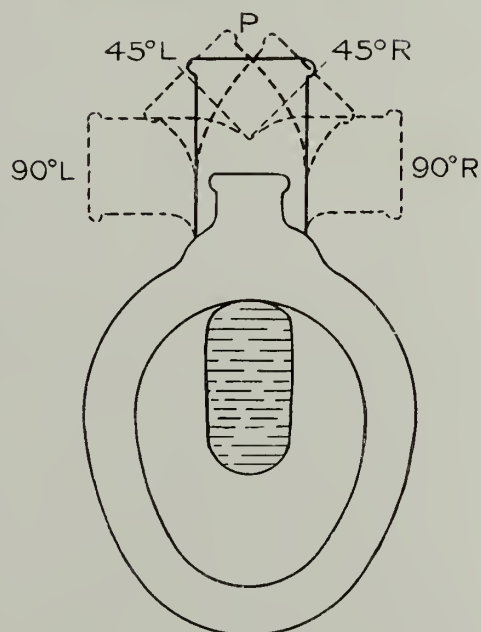
**S Trap.**



**P Trap. Outlet 45° Right-hand.**



**Section.**



**Plan.**

This Closet is made of Highly Glazed Porcelain Enamelled Earthenware. The combination of 45° or 90° Outlet, Left or Right hand, will be found most useful, and the easy sweep of both Basin and Trap allows the whole to be thoroughly cleansed with each flush, producing a most efficient Closet at a moderate price.

## **PRICES.**

No. 1373.	<b>"Minerva" Pedestal Wash-down Closet, with Horizontal Inlet, White Glazed inside,</b>									
	Buff Glazed out	...	...	...	...	...	...	...	...	20/3
No 1373A.	<b>Do.</b>	do.	White Glazed inside and out	...	...	...	...	...	...	23/6

S or P Traps must be clearly stated.

## "CROSBY" WASH-DOWN CLOSET.



No. 1374. "Crosby" Pedestal Wash-down Closet,  
with Horizontal Inlet and Slop Top, best quality, White  
Glazed inside and out ... .. 27/3

S or P Traps must be clearly stated.

## "GETATABLE" CLOSET.



The above is a first-class Closet of Wash-down type. The Outlet is at the back on floor line, and, as will be seen from the illustration, part of the Closet at this point is detachable, thus giving clear and ample space to make a connection or joint to soil pipe. When this is completed the detachable part is placed in position and screwed to the floor.

No. 1375. "Getatable" Pedestal Closet, with Horizontal Inlet, best quality, White Glazed inside  
and out ... .. 22/-



# **“EMPIRE” WASH-DOWN CLOSET.**



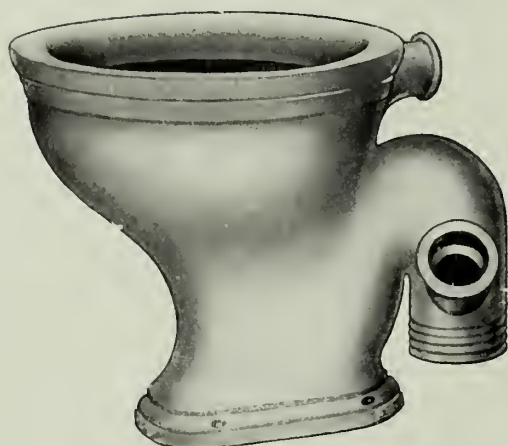
No. 1376. “ Empire ”  
Pedestal Wash-down Closet,  
with Horizontal Inlet and  
Seat Extension, and L.C.C.  
Vent Socket. White Glazed  
inside and out ... 13/6

S or P Traps must be  
clearly stated.

No. 1377. “ Empire ”  
Pedestal Wash-down Closet,  
with Horizontal Inlet and  
Seat Extension, P Trap with  
Outlet at angle of 90° or  
135°. Left or Right Hand.  
White Glazed inside and  
out ... 13/6



## “CHEYNE” WASH-DOWN CLOSET.



- |           |          |          |           |         |      |            |        |       |        |                                      |        |                |
|-----------|----------|----------|-----------|---------|------|------------|--------|-------|--------|--------------------------------------|--------|----------------|
| No. 1378. | “Cheyne” | Pedestal | Wash-down | Closet, | with | Horizontal | Inlet, | White | Glazed | inside,                              |        |                |
|           |          |          |           |         |      |            |        |       |        | Buff                                 | Glazed | out            |
|           |          |          |           |         |      |            |        |       |        | ...                                  | ...    | ...            |
| „ 1378A.  | Do.      | do.      |           |         |      |            |        |       |        | White                                | Glazed | inside and out |
|           |          |          |           |         |      |            |        |       |        | ...                                  | ...    | ...            |
|           |          |          |           |         |      |            |        |       |        | S or P Traps must be clearly stated. |        |                |
|           |          |          |           |         |      |            |        |       |        |                                      |        | 12/9           |
|           |          |          |           |         |      |            |        |       |        |                                      |        | 14/6           |

## “SHARK” TWO-PIECE CLOSET.

L.C.C. PATTERN.



## “COTTAGE” BASIN AND TRAP.

L.C.C. PATTERN.



- |           |           |           |         |       |            |            |        |       |            |         |         |                |
|-----------|-----------|-----------|---------|-------|------------|------------|--------|-------|------------|---------|---------|----------------|
|           |           |           |         |       |            |            |        |       |            |         |         |                |
|           |           |           |         |       |            |            |        |       |            |         |         |                |
| No. 1380. |           |           |         |       |            |            |        |       |            |         |         |                |
| No. 1380. | “Shark”   | Two-piece | Closet, | with  | Horizontal | Inlet      | and    | Seat  | Extension, | White   | Glazed  |                |
|           |           |           |         |       |            |            |        |       |            | inside, | Buff    | Glazed         |
|           |           |           |         |       |            |            |        |       |            | out     | ...     | ...            |
| „ 1380A.  | Do.       | do.       |         |       |            |            |        |       |            | White   | Glazed  | inside and out |
|           |           |           |         |       |            |            |        |       |            | ...     | ...     | ...            |
| „ 1381.   | “Cottage” | Basin     | and     | Trap, | with       | Horizontal | Inlet, | White | Glazed     | inside, | Buff    | Glazed         |
|           |           |           |         |       |            |            |        |       |            | out     |         |                |
|           |           |           |         |       |            |            |        |       |            | Extra   | for     | Vent           |
|           |           |           |         |       |            |            |        |       |            | Sockets | or      | S              |
|           |           |           |         |       |            |            |        |       |            | Traps,  | 9d.     | each.          |
|           |           |           |         |       |            |            |        |       |            | S       | or      | P              |
|           |           |           |         |       |            |            |        |       |            | Traps   | must    | be             |
|           |           |           |         |       |            |            |        |       |            | clearly | stated. |                |
|           |           |           |         |       |            |            |        |       |            |         |         | 10/6           |
|           |           |           |         |       |            |            |        |       |            |         |         | 12/-           |
|           |           |           |         |       |            |            |        |       |            |         |         | 7/3            |

## "RADIA" WASH-DOWN SCHOOL CLOSET.

No. 1385. "Radia" Wash-down School Closet, made in strong Non-absorbent Vitrified Stoneware, White Glazed inside and Buff out. Improved Brass Radial Joint and Lead Outgo, and with Fixed Seat Pads.

Price ... £2 5 6

No. 1386. Do. as above, without Seat Pads.

Price ... £2 2 6



## "EXCELSIOR" WASH-DOWN SCHOOL CLOSET.



No. 1387. Plain.



No. 1388. With Seat Pads.

### PRICES.

No. 1387. "Excelsior" Wash-down School Closet, with Horizontal Inlet, White Glazed inside, Buff Glazed out, with Brass Airtight Access Stopper on Outlet, Plain ... .. 17/6

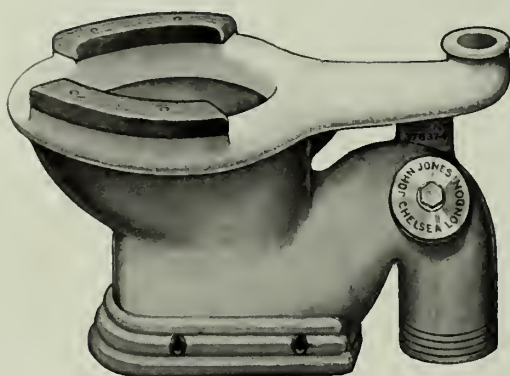
No. 1388. Do. do., as above, with Fixed Seat Pads ... .. 20/9

Height, No. 1387. Plain Pattern, 13 in.

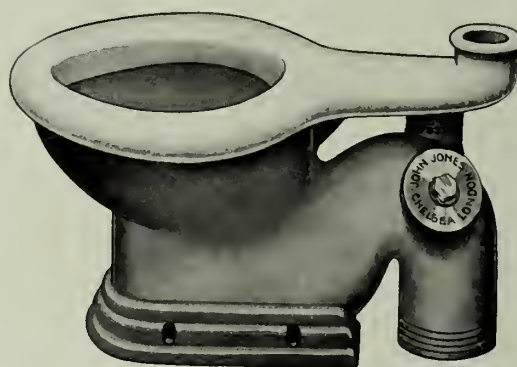
„ „ 1388. With Seat Pads, 14 in.



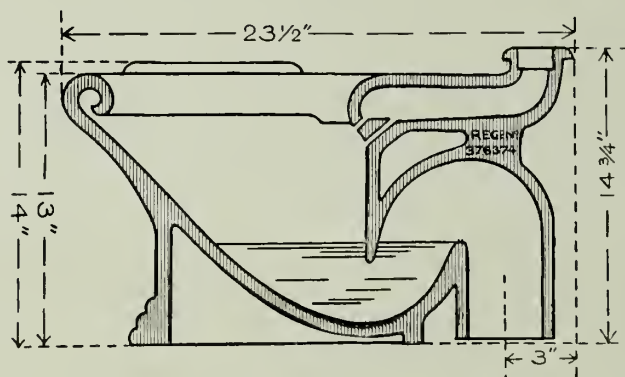
## "GUILD" WASH-DOWN SCHOOL CLOSET.



No. 1389.



No. 1390.



Section with Detail Measurements.

The "Guild" Wash-down Closet is specially designed for Children's Water Closets in Schools, Asylums, &c.

It is made in strong Non-absorbent Vitrified Stoneware with Imperishable Leadless Glaze, White Glazed inside and Buff out, with or without Fixed Seat Pads.

The Outlet is constructed to discharge direct into Iron or Earthenware Drain Pipe or Branches.

The Flushing is perfect, and so arranged that Basin is thoroughly cleansed with each flush.

The Vertical Inlet Arm, Nos. 1 and 2, is constructed to receive Iron or Lead Flush Pipe direct.

The Inspection Hole is easy of access, and has an Airtight Sealed Stopper, which can only be opened by person with means to do so.

**FOR PRICES SEE OPPOSITE PAGE.**

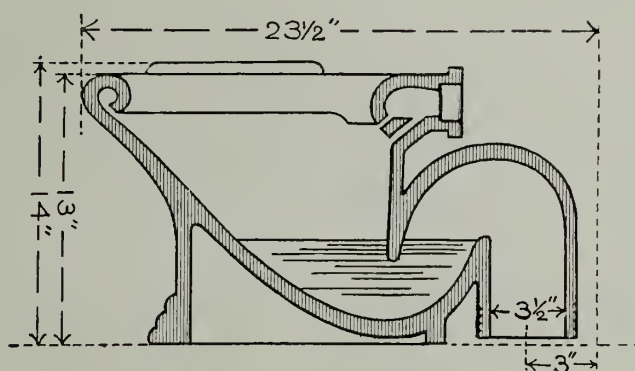
# "GUILD" WASH-DOWN SCHOOL CLOSET.



No. 1391.



No. 1392.



Section with Detail Measurements.

## PRICES.

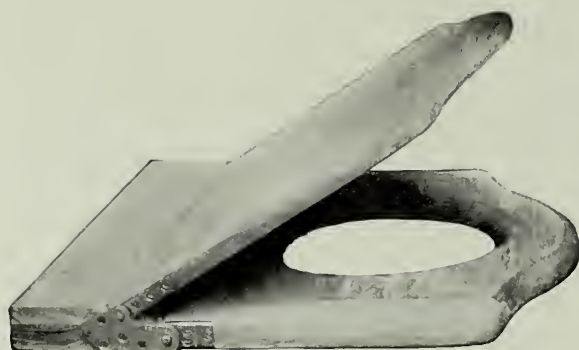
No. 1389.	"Guild" Wash-down School Closet, White Glazed inside, Buff Glazed out, with Extended Vertical Inlet and Fixed Seat Pads, and Brass Airtight Inspection Stopper, complete ...							33/3
„ 1390.	Do.	do.	do.	without Seat Pads	...	...	...	29/-
„ 1391.	Do.	do.	do.	with Horizontal Inlet and Fixed Seat Pads, Brass Airtight Inspection Stopper, complete	...	...	...	29/9
„ 1392.	Do.	do.	do.	without Seat Pads	...	...	...	25/6

## SPECIAL FITTINGS FOR ABOVE.

Whitewood Infants' Seat for Nos. 1390 and 1392, with Heavy Gun-metal Side Hinges	...	each	10/6
Galvanized Wrought-iron Seat Cantilevers to build in Wall for above	...	per pair	2/6
Stout Rubber Patent Canvas Covered Cones	...	each	2/6
Patent Flush Inlet Arm Connectors, for Lead Flush Pipe	...	...	3/6
Do. do. do. Iron „	...	...	4/-

Estimates given for Complete Sets to Specifications.

## CLOSET SEATS.



No. 1400. **Best Polished Mahogany Seat**, with Cover, two thicknesses of wood screwed together, with Skirting and Pipe Block, Heavy Brass Side Hinges, Superior Finish ... .. 25/-

No. 1400A. **Do.**, as above, Clamped Seat and Cover ... .. 21/-

No. 1400B. **Do.**, as above, Medium quality, without Skirting ... .. 16/9

No. 1400C. **Do.**, Birch, Natural Colour, do. 15/-

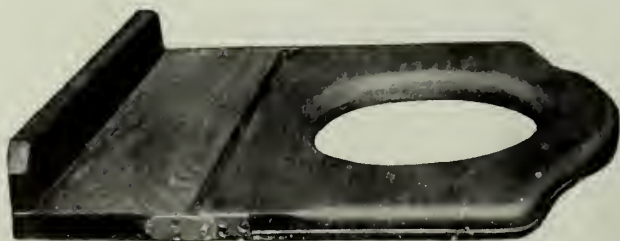
No. 1401. **Best Polished Mahogany Seat**, in two thicknesses of wood screwed together, with Solid Skirting, Brass Butt Hinges, Superior Finish ... 21/-



No. 1402. **Best Polished Mahogany Seat**, in two thicknesses of wood screwed together, with Skirting and Pipe Block ... .. 21/-



No. 1403. **Best Polished Mahogany Seat**, in two thicknesses of wood screwed together, with Cut-out Back Rail, Heavy Brass Side Hinges, Superior Finish ... .. 17/6



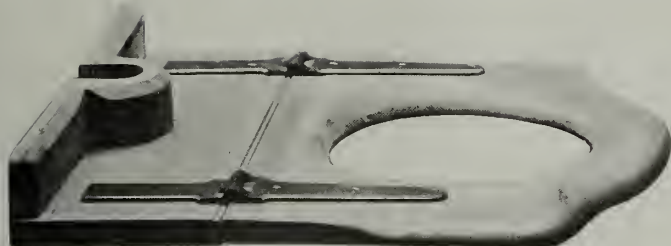
No. 1404. **Polished Mahogany Seat**, in two thicknesses of wood screwed together, with Skirting and Heavy Brass Side Hinges ... .. 16/9

No. 1404A. **Do.**, as above, Medium quality, Clamped Seat, with Skirting and Brass Side Hinges ... .. 12/6

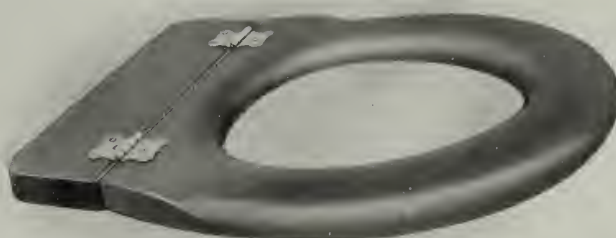
No. 1404C. **Polished Birch**, Clamped with Skirting and Brass Side Hinges ... 11/-



## CLOSET SEATS.



- No. 1405. Plain Whitewood Seat, in two thicknesses of wood screwed together, with Skirting, Hinged with strong Cast Brass Strap Hinges ... .. 22/-  
 No. 1405A. Teak (Oiled) do. do. ... 25/6



- No. 1406. Polished Mahogany Extension Pattern Seat, with Brass Hinges, Bolts and Nuts for fixing to Closet ... 7/6  
 No. 1406A. Polished Birch Seat, and do. 6/3  
 No. 1406B. Plain Whitewood Seat, and do. 4/6



No. 1407.

- No. 1407. Polished Mahogany Balance Seat, with heavy Brass Lever, Side Hinges and Iron Weights ... .. 19/3  
 No. 1407A. Polished Birch, as above ... 18/6  
 No. 1407B. Plain Whitewood, do. ... 15/-

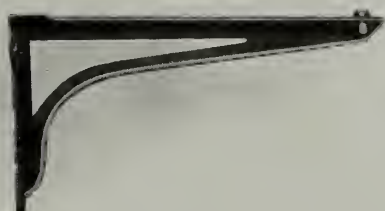


- No. 1408. Plain Whitewood Seat, for Infants' School Closets, with heavy Brass Side Hinges ... .. 10/6  
 Pair Galvanized Wrought-iron Cantilever Brackets, with Brass Bolts and Nuts 2/6

## CAST-IRON SEAT BRACKETS AND STANDARDS.



No. 1410.



No. 1411.



No. 1412.

- |    |       |   |                     |          |     |             |     |           |
|----|-------|---|---------------------|----------|-----|-------------|-----|-----------|
| No | 1410. | Cast-iron Closet Seat Brackets, to build in Wall            | ...                 | Painted. | 3/- | Galvanized. | 6/- | per pair. |
| "  | 1411. | Do. do.   | to screw to Wood... |          | 2/6 |             | 5/- | "         |
| "  | 1412. | Cast-iron Closet Seat Standards, to screw to Wall and Floor |                     |          | 4/- |             | 7/6 | "         |

# **"SUPERLA" FLUSHING CISTERN.**



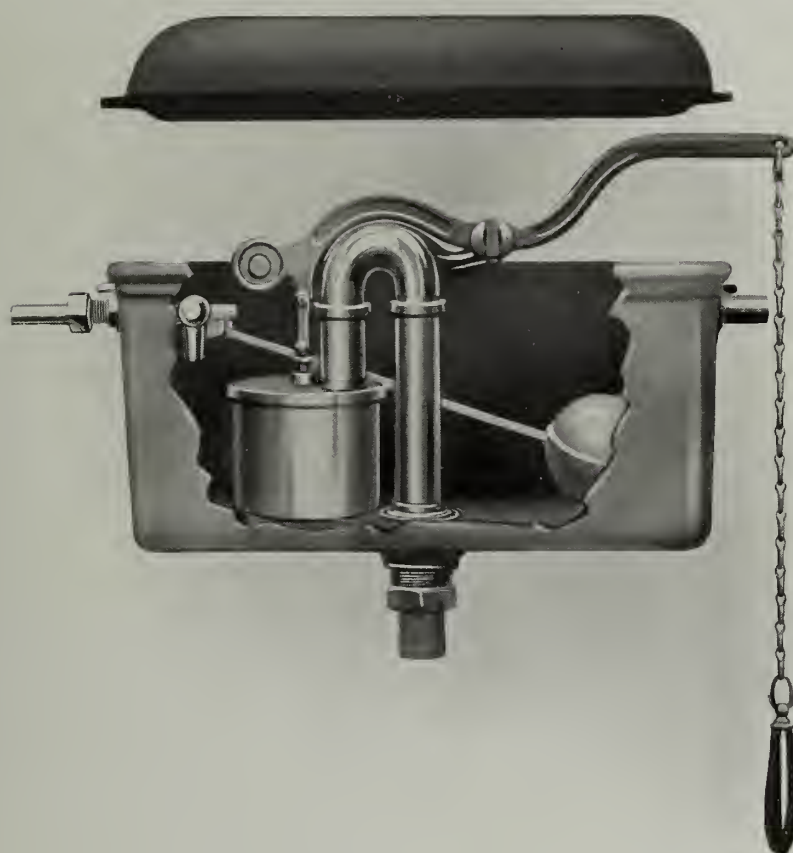
**"Superla" Flushing Cistern**, having Copper Syphon with Grant's Valve and Brass Mountings, Improved Silencing Valve,  $\frac{1}{2}$ -in. High or Low-pressure Silent-filling Ball Valve and Unions, Brass Overflow Union, Brass Union to Outlet, and Brass Chain with Polished Hardwood Pull Handle complete. Cast Plates are provided at back of Cistern for fixing to wall without use of Brackets.

						<b>PRICES.</b>		
						Painted.	Galvanized.	White Porcelain Enamelled Outside.
No.	1420.	Cast-iron Cistern, Two Gallons	...	...	...	28/6	32/6	42/6 each.
„	1421.	Do. do. Three Gallons	...	...	...	31/-	35/6	46/- „
„	1422.	Glazed Porcelain Cistern, Two Gallons	...	...	...	...	...	47/- „
„	1423.	Do. do. Three Gallons	...	...	...	...	...	53/- „
„	1424.	Lead Lined Cistern, Two Gallons	...	...	...	...	50/-	55/- each.
„	1425.	Do. do. Three Gallons	...	...	...	...	52/6	57/6 „

Cast Brass Ornamental Brackets, if required, Prices on application.

High or Low-pressure Valves must be clearly stated.

# "IMPERIAL" FLUSHING CISTERN.



"Imperial" Flushing Cistern, Brass Syphon and Plunger, Improved Silencing Valve,  $\frac{1}{2}$ -in. High or Low-pressure Silent Filling Ball Valve and Union, Brass Overflow Union, Brass Union to Outlet and Brass Chain with Polished Hardwood Pull Handle, complete.

## PRICES.

								Painted.	Galvanized.	Porcelain Enamelled Outside.
No. 1426.	Two Gallon	...	...	...	...	...	...	25/-	29/-	40/- each.
„ 1427.	Three Gallon	...	...	...	...	...	...	27/6	32/-	42/- „
„ 1426A or No. 1427A	Cast-iron Improved Pattern Brackets for above						...	2/-	3/-	4/6 pair.
„ 1428.	White Glazed Porcelain Ware Cisterns.—Two Gallon						...	...	...	45/- each.
„ 1429.	Do. do. Three Gallon						...	...	...	47/6 „

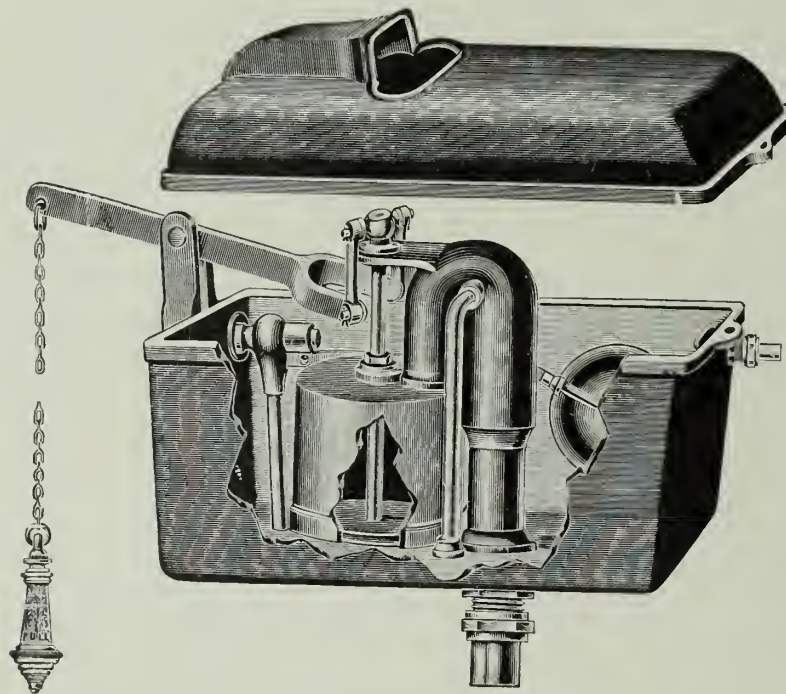
Porcelain Enamelled, Brass, Nickel-plated, or Copper Flush Pipes to order.

Cast Brass Ornamental Brackets, if required—Prices on application.

High or Low-pressure Valves must be clearly stated.



## “SLOANE” FLUSHING CISTERN.



“Sloane” Flushing Cistern, Cast-iron Body and Syphon, with Brass Plunger, Improved Silencing Fitting,  $\frac{1}{2}$ -in. High or Low-pressure Silent-filling Ball Valve and Union, Overflow and Union, Brass Union to Outlet, and Brass Chain with China Pull Handle, complete.

PRICES.									
							Painted.	Glass Enamelled Inside.	Galvanized.
No. 1430.	Two Gallons	...	...	...	...	...	25/9	34/6	34/6 each.
„ 1431.	Three Gallons	...	...	...	...	...	27/3	38/6	38/6 „

For CAST-IRON BRACKETS, see page 320.

High or Low-pressure Valves must be clearly stated.

# **"HERCULES" FLUSHING CISTERN.**



**"Hercules" Flushing Cistern**, Cast-iron Body, Syphon Dome and Lever,  $\frac{1}{2}$ -in. High or Low-pressure Silent-filling Ball Valve and Union, Brass Overflow Union, Brass Union to Outlet, and Chain with Pull Handle, complete.

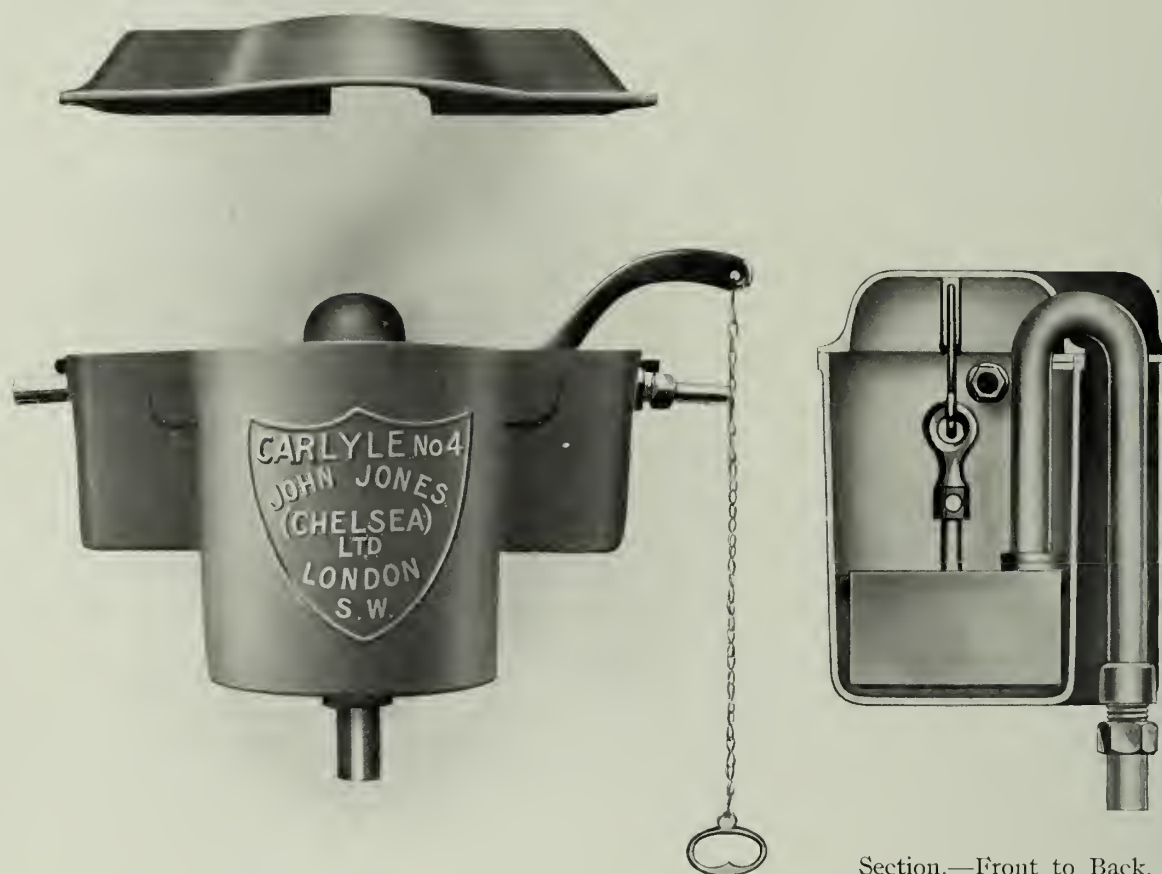
## **PRICES.**

No.								Painted.	Glass Enamelled	Galvanized.
									Inside.	
No. 1432.	Two Gallons	...	...	...	...	...	...	16/6	21/-	21/6 each.
„ 1433.	Three Gallons	...	...	...	...	...	...	20/-	25/-	26/- „
„ 1434.	Two Gallons (Stamped by Metropolitan Water Board)	...	...	...	...	...	...	19/6	24/6	25/6 „

Heavy Cast Lugs are provided at back for Fixing.

High or Low-pressure Valves must be clearly stated.

# “CARLYLE” No. 4 FLUSHING CISTERN.



Section.—Front to Back.

In this pattern Flushing Cistern the bottom is not perforated, the Syphon being carried over the top back edge of the Cistern. This allows a straight Flush Pipe to be fixed direct to Closet, accelerating the flush.

It meets with requirement of every Water Authority, excepting the few who insist upon brass or copper internal fittings.

A direct Pull Action actuates the Cistern, giving a perfect flush.

“Carlyle” No. 4 Flushing Cistern, Cast-iron Syphon and Plunger, Improved Silencing Fitting,  $\frac{1}{2}$ -in. High or Low-pressure Silent-filling Ball Valve, Overflow and Union, Brass Union to Outlet, and Chain with Pull Handle, complete.

## PRICES.

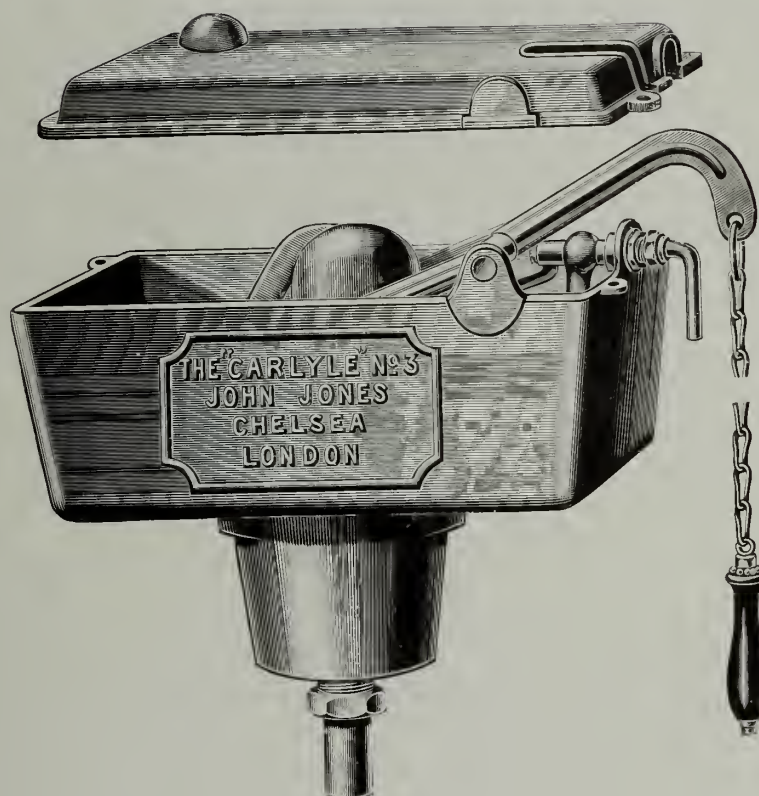
									Painted.	Galvanized.
No. 1435.	Two Gallons	...	...	...	...	...	...	...	19/6	24/6
.. 1436.	Three Gallons	...	...	...	...	...	...	...	24/6	30/6
.. 1437.	Two Gallons (Stamped by Metropolitan Water Board)	...	...	...	...	...	...	...	25/6	30/6
.. 1438.	One Gallon	(do.	do.	do.)	for Urinals	...	...	...	23/6	28/-

For CAST-IRON BRACKETS, see page 320.

High or Low-pressure Valves must be clearly stated.



## "CARLYLE" No. 3 FLUSHING CISTERN.



This is an improved **Water Waste Preventer**, and a perfect Flushing Cistern. The fittings are of heavy Cast Brass, and each one is tested, so that safe working under almost any condition is guaranteed.

The special features in connection with this Cistern are as follows :—

An easy direct **pull action**, which gives a perfect flush of water in a few seconds with almost silent action.

Impossible to get out of order, as working parts are simple.

It is reversible for right and left-hand fixing.

"Carlyle" No. 3 Flushing Cistern, with Cast-iron Syphon Dome and Cover,  $\frac{1}{2}$ -in. High or Low-pressure Silent Filling Ball Valve and Union, Brass Overflow and Union, Brass Union to Outlet, and Brass Chain with Pull Handle, complete.

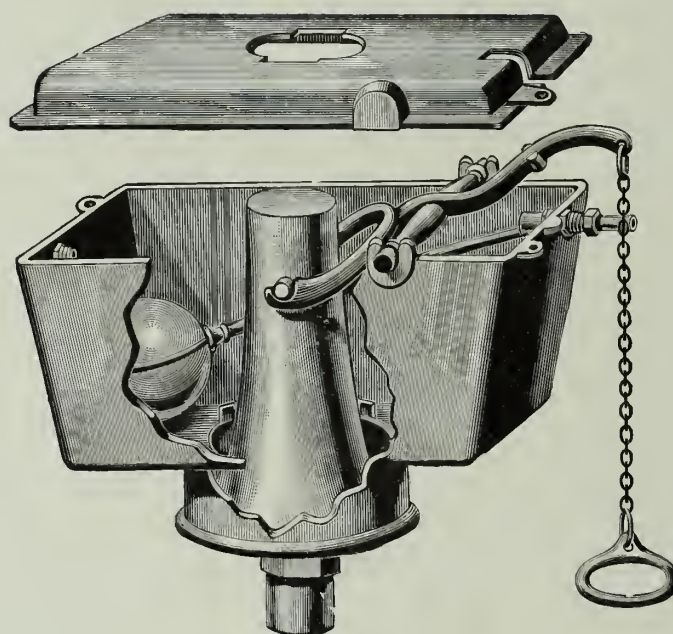
### PRICES.

										Galvanized only.
No. 1439.	Two Gallons	...	...	...	...	...	...	...	...	35/- each.
„ 1440.	Three Gallons	...	...	...	...	...	...	...	...	40/- „
„ 1441.	Two Gallons (stamped Metropolitan Water Board)	...	...	...	...	...	...	...	...	40/- „
Cast-iron Improved Pattern Brackets for above, Cantilever, or Screw to Wood										3/- pair.

For other **CISTERN BRACKETS**, see page 320.

High or Low-pressure Valves must be clearly stated.

## "CARLYLE" No. 2 FLUSHING CISTERN.



This is an improved pattern **Water Waste Preventer**, giving a perfect flush. Each one is tested before leaving works, and guaranteed for perfect working.

The special advantages are :—

An easy "Pull-and-let-go" action.

When used a perfect and rapid flush of two or three gallons is obtained.

It will discharge in a few seconds with almost silent action.

Impossible to get out of order with fair usage.

Body of Cistern is made with tapered sides and rounded corners to resist frost, and castings are smooth and good.

It is reversible for right or left-hand fixing.

“Carlyle” No. 2 Flushing Cistern, with Cast-iron Body, Syphon Dome and Cover,  $\frac{1}{2}$ -in. High or Low-pressure Silent Filling Ball Valve and Union, Brass Overflow Union, Brass Union to Outlet, Galvanized Welded Link Iron Chain and Pull Handle, complete.

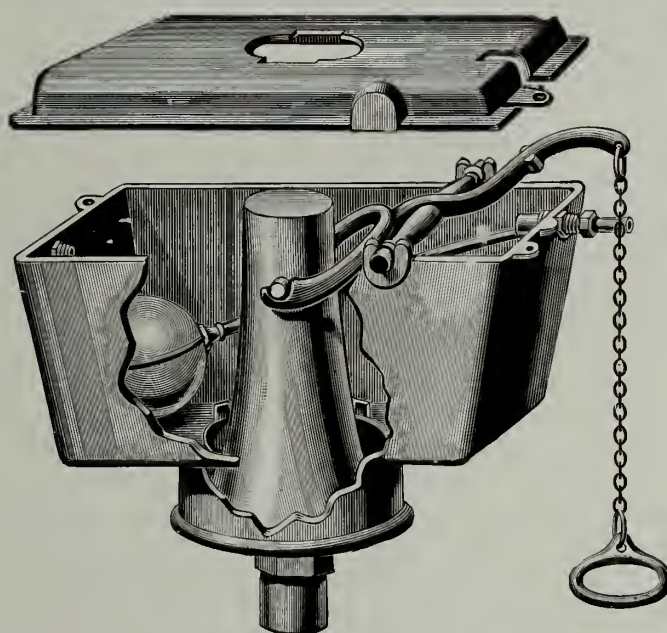
### PRICES.

No.	Quantity	Material	Painted.	Glass Enamelled Inside.	Galvanized.
1442.	Two Gallons	... ..	16/-	19/6	21/-
1443.	Three Gallons	... ..	18/6	21/6	23/6
1444.	Two Gallons	(Stamped by Metropolitan Water Board)	21/-	24/-	26/-
1445.	One Gallon	(do. do.) for Urinals	24/-		30/-

FOR CISTERN BRACKETS, see page 320.

High or Low-pressure Valves must be clearly stated.

## "CARLYLE" No. 1 FLUSHING CISTERN.



The above Cistern is of similar pattern to the "Carlyle" No. 2, but with modified fittings, producing an efficient Flushing Cistern at a moderate price.

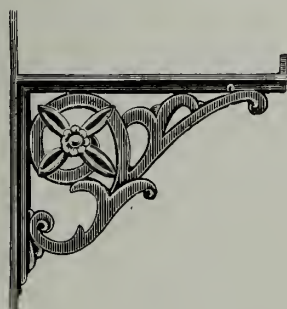
"Carlyle" No. 1 Flushing Cistern, with Cast-iron Body, Syphon Dome and Cover,  $\frac{1}{2}$ -in. High or Low-pressure Ball Valve and Union, Brass Overflow Union, Brass Union to Outlet, Galvanized Chain and Pull Handle complete.

### PRICES.

									Painted.	Galvanized.
No. 1446.	Two Gallons	...	...	...	...	...	...	...	13/6	18/6
„ 1447.	Three Gallons	...	...	...	...	...	...	...	16/-	21/-
„ 1448.	One Gallon (Unstamped) for Urinals	...	...	...	...	...	...	...	18/-	24/-

High or Low-pressure Valves must be clearly stated.

## CAST-IRON CISTERN BRACKETS.



No. 1451. With Screw Holes.



No. 1452. With Cantilever to build in Wall.

		Painted.	Galvanized.			Painted.	Galvanized.
No. 1451.	Two Gallons	1/6	2/9 per pair.	No. 1452.	Two Gallons	1/8	2/9 per pair.
„ 1451A.	Three Gallons	1/9	3/- „	„ 1452A.	Three Gallons	1/11	3/2 „

### MEDIUM CAST-IRON CISTERN BRACKETS.

		Painted.	Galvanized.			Painted.	Galvanized.
No. 1453.	Two Gallons	1/-	2/- per pair.	No. 1454.	Two Gallons	1/2	2/2 per pair.
„ 1453A.	Three Gallons	1/3	2/3 „	„ 1454A.	Three Gallons	1/5	2/5 „



## “EMPIRE” FLUSHING CISTERN.



“ Empire ” Flushing Cistern, with Cast-iron Body, Syphon Dome and Cover,  $\frac{1}{2}$ -in. High or Low-pressure Ball Valve and Union, Overflow Union, Brass Union to Outlet, Galvanized Chain and Pull Handle, complete.

PRICES.										
								Painted.	Glass Enamelled Inside.	Galvanized.
No. 1449.	Two Gallons	...	...	...	...	...	...	12/6	15/-	16/6
„ 1450.	Three Gallons	...	...	...	...	...	...	15/-	17/6	19/6

For CISTERN BRACKETS, see page 320.

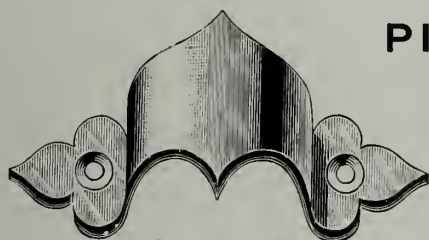
Large London Stock kept of Flushing Cisterns stamped by Metropolitan Water Board (New River Co.), Croydon Water Co., Chatham Water Co., and various Water Authorities.

## FLUSH PIPES.



No. 1460. Flush Pipes, of Copper, Brass, Porcelain Enamelled Head, or Galvanized Iron, quoted for on application.

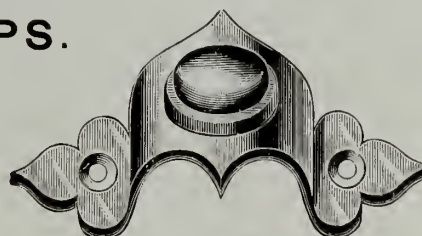
## PIPE CLIPS.



REG N<sup>o</sup> 183854.

No. 1461. Polished Brass.

$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.
2d.	3d.	4d.	6d.	7d.	9d. each.



REG N<sup>o</sup> 189854.

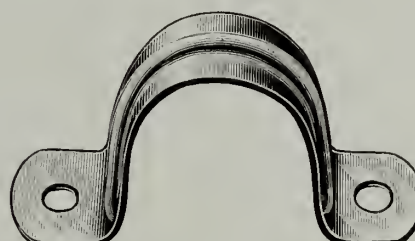
No. 1462. Polished Brass, with Indiarubber Buffer.

$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.
8d.	9d. each.



No. 1463. Cast Lead.

$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.
2d.	3d.	3d.	4d.	5d.	6d. each.



No. 1464. Stamped Tinned Steel.

$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.
2d.	3d.	3d.	4d.	5d.	6d. each.



No. 1465. Galvanized Malleable Iron Clips, with Brass Screws. For building in Wall, for  $1\frac{1}{4}$  and  $1\frac{1}{2}$  in. Flush Pipes.

With Tail	...	$4\frac{1}{2}$ in.	9 in.	11 in. long.
Prices	...	9d.	1/1	1/4 each.

No. 1466. Brass Clips, with Screws. For screwing to Wall, for  $1\frac{1}{4}$  and  $1\frac{1}{2}$  in. Flush Pipes.

Polished Brass	...	...	3/9 each.
Nickel-plated Brass	...	...	5/- "

## CHAIN GUARDS.

No. 1467. Consisting of length of  $\frac{3}{4}$ -in. Galvanized Tube with Detachable Clips each end to screw to wood or bolt through partition ... 3/6 each.

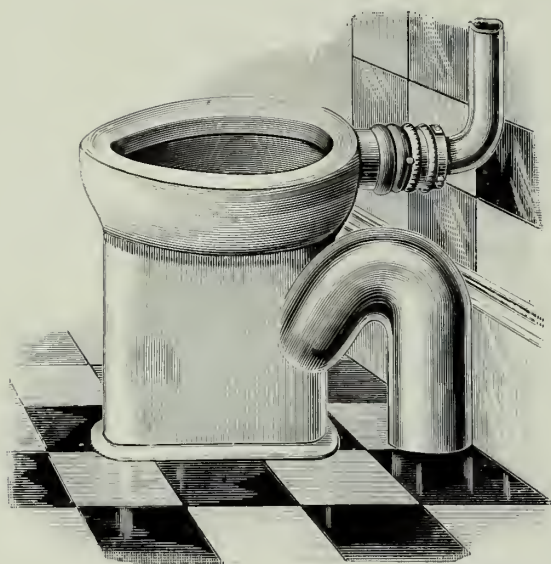
## CHAINS WITH PULL HANDLE, FOR FLUSHING CISTERNS.

No. 1468.	Galvanized Chain and Cast Pull Handle	...	...	9d. each.
" 1469.	Do. do. Wrought Ring Pull Handle	...	...	1/- "
" 1470.	Brass Chain and China Pull Handle	...	...	1/6 "
" 1471.	Heavy Brass Chain and Polished Hardwood Pull Handle	...	...	2/6 "



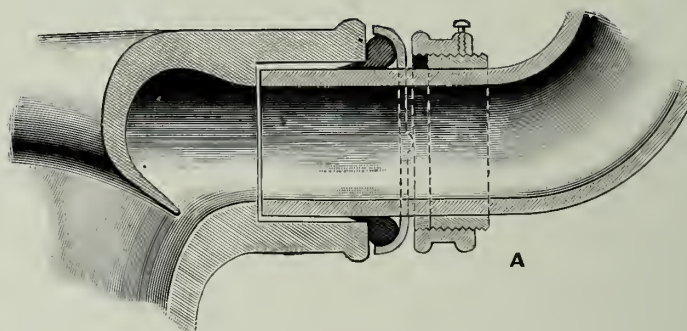
# CLOSET INLET ARM CONNECTION.

USED EXTENSIVELY ON LONDON COUNTY COUNCIL SCHOOLS.



No. 1480.

View shewing connection applied to Inlet Arm of Closet.



SECTION.

Shewing connection fixed on Lead or Iron Flush Pipe and fitted to Closet Inlet Arm.

Connection at point A may be soldered to Lead Flush Pipe or fixed to Iron Flush Pipe by Three Set Screws.

This Inlet Arm Connection is particularly valuable as a connection between Flush Pipe and Inlet Arm of Closet in position, under conditions of rough usage and exposure.

The construction of the Connection is so formed that a full bore for flushing supply is maintained.

It will apply itself to Closet Inlet Arms under varying conditions. By screwing up the metal ring against metal shield the specially-formed rubber band is forced against outer face of Inlet Arm, and when screwed sufficiently tight the metal ring is secured in position by a set screw.

## PRICES.

No. 1480.	For Lead Flush Pipe	...	...	...	...	...	...	...	3/6
„ 1481.	„ Iron „ „	...	...	...	...	...	...	...	4/-

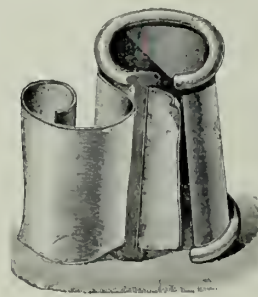
# CLOSET CONES.



No. 1482.

No. 1482. Closet Cone of best quality India-rubber, specially strengthened with Canvas Covering (known as L.S.B. Canvas Covered) for ordinary Closet Arms ... .. 2/3

No. 1482A. Do., as above, for Heavy Fire-clay Closets ... .. 2/6



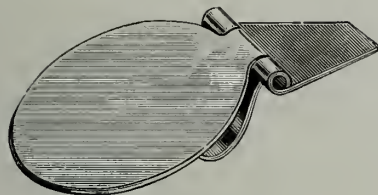
No. 1483.

No. 1483. Wrapping Closet Cone, with Canvas Binding on outside to take place of perished Cones without disturbing Flush Pipe or Closet, for ordinary Closet Arms ... .. 2/3

No. 1483A. Do., as above, for Heavy Fire-clay Closets ... .. 2/6



## FLAP VALVES.



No. 1485.



No. 1486.



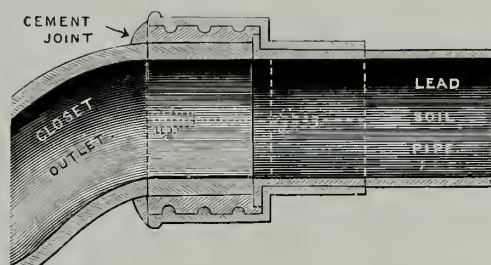
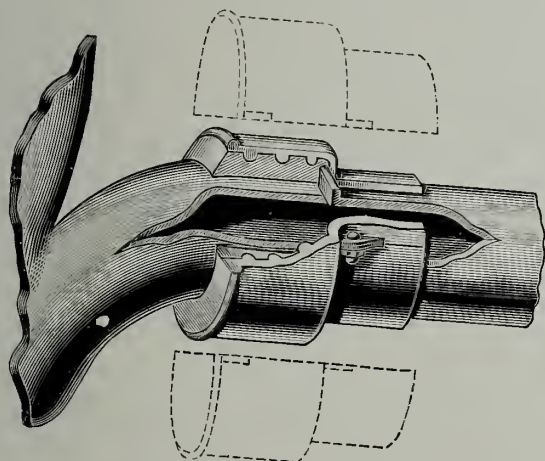
No. 1487.

### PRICES.

No.						$\frac{3}{4}$ in.	1 in.	$1\frac{1}{2}$ in.	$1\frac{3}{4}$ in.	2 in.
No. 1485.	Copper	...	...	...	...	3d.	4d.	5d.	6d.	7d. each.
„ 1486.	Cast Brass	...	...	...	...	6d.	7d.	8d.	9d.	1/- „
„ 1487.	Galvanized Malleable Iron, screwed for $\frac{3}{4}$ -in. barrel	1/9	—	—	—	—	—	—	—	„

## BRASS SOCKET.

FOR CONNECTING WATER CLOSETS TO SOIL PIPE BRANCH.



The above illustrations shew the Brass Socket applied to Water Closet Outlet, and connected to Lead Soil Pipe. It will be seen that the Lead Soil Pipe is carried entirely through Brass Socket.

The difficulty of passing Lead Soil Pipe through ordinary socket connection and turning over edge of pipe is overcome, as Patent Socket Connection being in two parts will allow end of Lead Soil Pipe to be turned over and the Socket being placed in correct position.

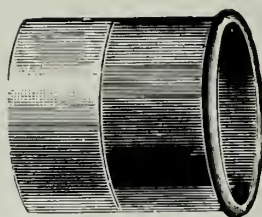
The Joint is easily completed with cement, and when screwed up on Soil Pipe is absolutely water-tight.

Should Closet require being disconnected at any time, the unscrewing of bolts on Socket will allow parts to be loosened and Closet may be disconnected, without usual breaking away of Joint or Closet.

### PRICES.

No.	Sizes inside diameter.									
	Socket End.	Spigot End.								
No. 1490.	$6\frac{1}{4}$ in.	$3\frac{1}{2}$ in.	...	...	...	...	...	...	...	6/3
„ 1491.	$6\frac{1}{4}$ in.	4 in.	...	...	...	...	...	...	...	6/6

# CAST BRASS SLEEVES.



No. 1492.—Short.

Dia. ...	1½ in.	2 in.	2½ in.	3 in.	3½ in.	4 in.
Length	3 in.	3 in.	3½ in.	4½ in.	4½ in.	5 in.
Price ...	9d.	1/-	1/6	2/3	2/6	3/-

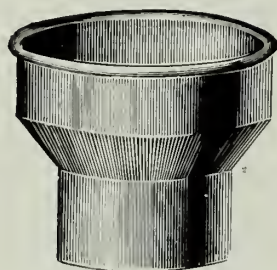
No. 1493.—Long.

Dia. ...	1½ in.	2 in.	2½ in.	3 in.	3½ in.	4 in.
Length	4 in.	4 in.	4½ in.	5 in.	6 in.	6 in.
Price ...	1/2	1/4	1/9	3/-	3/4	4/7

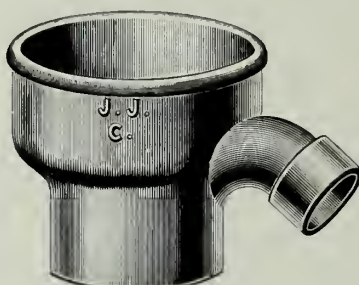
No. 1494.—Heavy.

Dia. ...	...	...	...	1½ in.	2 in.	2½ in.	3 in.	3½ in.	4 in.	4½ in.	5 in.	6 in.
Length	...	...	...	5 in.	6 in.	6 in.	6 in.	6 in.	6 in.	6 in.	6 in.	6 in.
Price ...	...	...	...	1/6	2/3	3/3	4/-	4/9	5/-	6/6	7/6	10/6

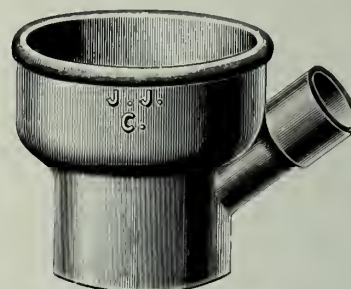
ALSO MADE IN GUN-METAL.



No. 1495.



No. 1496.



No. 1497.

Dia. of Spigot ...	1½ in.	2 in.	2½ in.	3 in.	3½ in.	4 in.
„ Socket ...	2½ in.	3½ in.	3½ in.	4 in.	5½ in.	5½ in.
Price ...	1/2	1/6	1/11	2/2	2/9	3/-

Cast Brass Sockets, with Vents.

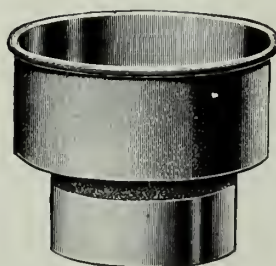
Dia. of Outgo ...	3½ in.	4 in.
„ Socket ...	5½ in.	5½ in.
Price ...	9/6	10/6



No. 1498.

Cast Brass Saddle, with Vent.

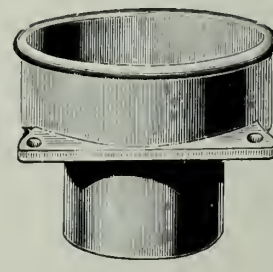
Price ...	3/6
-----------	-----



No. 1499.

Cast Brass Socket, with Square Shoulder.

Dia. of Outgo ...	4 in.
„ Socket ...	5½ in.
Length ...	4½ in.
Price ...	4/3

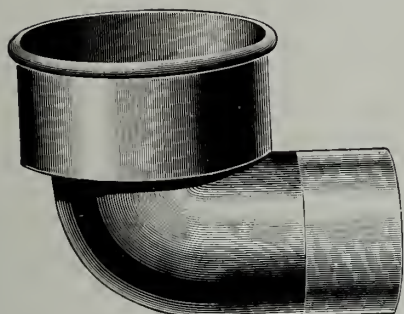


No. 1450.

Cast Brass Socket, with four Lugs drilled for Screws.

Dia. of Outgo ...	3½ in.
„ Socket ...	5½ in.
Length ...	5 in.
Price ...	6/9

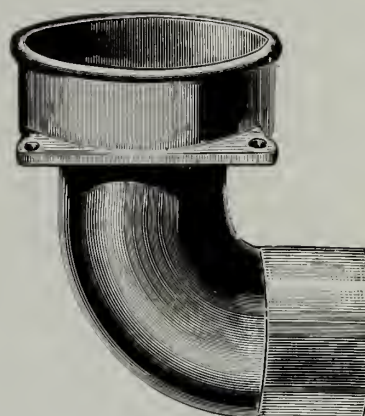
# CAST BRASS SOCKETS.



No. 1501. Cast Brass Socket Bend

Diameter of Outgo ...  $3\frac{1}{2}$  in.  
 " Socket ...  $5\frac{1}{4}$  in.  
 Depth of Socket ...  $2\frac{1}{4}$  in.

Price ... 10/6

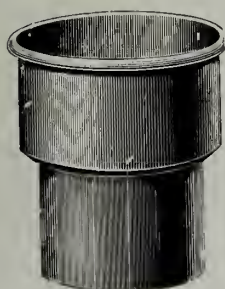


No. 1502. Cast Brass Socket Bend.

With four Lugs drilled for Screws.

Diameter of Outgo ...  $3\frac{1}{2}$  in.  
 " Socket ...  $5\frac{1}{4}$  in.  
 Depth of Socket ...  $2\frac{1}{4}$  in.

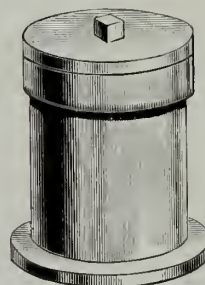
Price ... 12/9



No. 1503.

Diameter of Outgo ...  $3\frac{1}{2}$  in. 4 in.  
 " Socket ...  $4\frac{1}{4}$  in.  $4\frac{7}{8}$  in.  
 Length ...  $4\frac{3}{8}$  in. 6 in.

Price ... 3/- 4/6



No. 1504. Inspection Ferrule with Screw Cap.

For caulking to Iron Pipe.

Diameter inside ... 2 in. 3 in.  $3\frac{1}{2}$  in. 4 in.

Price ... 5/3 7/3 10/6 13/6

## BENT FERRULES.

FOR VENTILATING ARMS OF CLOSETS.

Inside diameter, 2 in.



No. 1505.

2/6



No. 1506.

2/9



No. 1507.

2/3

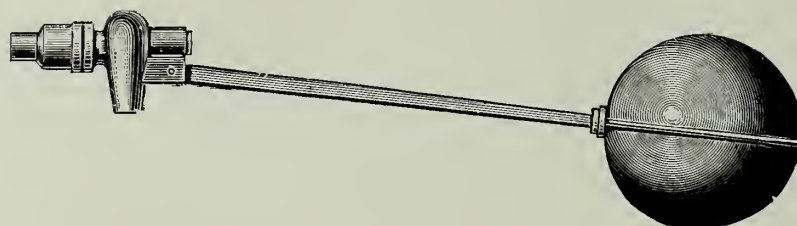


No. 1508.

2/9

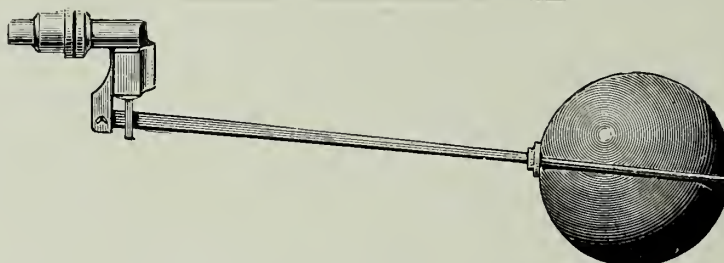


# PLUMBERS' BRASSWORK.



**"PORTSMOUTH" PATTERN BALL-VALVE AND COPPER BALL.**

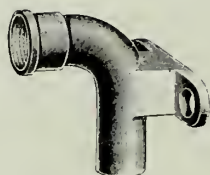
					$\frac{3}{8}$ -in.	$\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	1 in.
No. 1510.	Screwed for Iron	...	...	...	2/8	3/2	5/-	9/- each.
" 1511.	Screw Boss	...	...	...	2/10	3/4	5/4	9/10 "
" 1512.	Union and Lining	...	...	...	3/2	4/-	6/4	11/4 "
Extra for	Silent Filling Tubes	...	...	...	9d.	1/-	1/3	1/9 "



**"CROYDON" PATTERN BALL-VALVE AND COPPER BALL.**

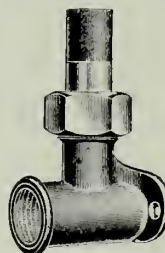
					$\frac{3}{8}$ -in.	$\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	1 in.	$1\frac{1}{2}$ in.	2 in.
No. 1515.	Screwed for Iron	...	...	...	2/6	2/10	4/4	6/6	14/-	20/6 each.
" 1516.	Screw Boss	...	...	...	2/9	3/-	4/9	7/3	15/-	22/- "
" 1517.	Union and Lining	...	...	...	3/-	3/6	5/9	9/-	20/-	— "
" 1518.	Stamped by M.W.B.	...	...	...	3/6	4/-	6/-	9/6	21/-	28/- 54/- "

No. 1520. **REVERSE ACTION BALL-VALVE**, with Union and Lining and Copper Ball for Automatic Flushing Tanks.  
 $\frac{1}{2}$ -in. size, 6/6 each.  $\frac{3}{4}$ -in. size, 8/6 each.



No. 1523. **Brass Elbow**, for Valves, Tinned Inlet.

	$\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	1 in.
Brass ...	1/9	2/3	3/3
Gun-metal	2/-	2/6	3/6



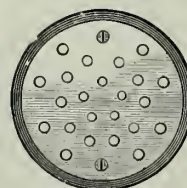
No. 1524. **Brass Elbow**, for Valves, with Union Inlet.

	$\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	1 in.
Brass ...	2/9	3/3	5/6
Gun-metal	3/-	3/6	5/9



No. 1525.  
**Brass Sink Grate**, Bevel-edged and Tinned.

$1\frac{1}{2}$ in.	2 in.	$2\frac{1}{2}$ in.	3 in.	$3\frac{1}{2}$ in.	4 in.	$4\frac{1}{2}$ in.	5 in.
2d.	3d.	$3\frac{1}{2}$ d.	$5\frac{1}{2}$ d.	7d.	$9\frac{1}{2}$ d.	1/-	1/3



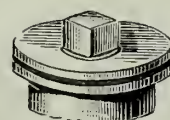
No. 1526.  
**Brass Sink Grate and Frame**, with Screws.

2 in.	$2\frac{1}{2}$ in.	3 in.	$3\frac{1}{2}$ in.	4 in.	$4\frac{1}{2}$ in.	5 in.
1/-	1/2	1/5	1/8	2/4	3/6	4/-
Special	L.C.C. Pattern	2/6	—	—	—	—



No. 1527.  
**Cobweb Pattern Brass Sink Grate**.

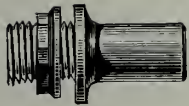
2 in.	$2\frac{1}{2}$ in.	3 in.	$3\frac{1}{2}$ in.	4 in.
$3\frac{1}{2}$ d.	4d.	6d.	$7\frac{1}{2}$ d.	$10\frac{1}{2}$ d.



No. 1528.  
**Trap Screws**.

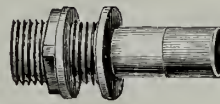
$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	$1\frac{3}{4}$ in.	2 in.	$2\frac{1}{2}$ in.	3 in.	$3\frac{1}{2}$ in.
7d.	10d.	1/1	1/3	1/5	1/8	2/-	2/6	4/3
L.C.C. Pattern	1/9	2/3	2/6	3/-	—	—	—	—

# PLUMBERS' BRASSWORK.



No. 1530.  
Boiler Screw, Single Nut.

$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.
6 $\frac{1}{2}$ d.	11 $\frac{1}{2}$ d.	1/6 $\frac{1}{2}$	2/-	3/3	5/-



No. 1531.  
Boiler Screw, Single Nut,  
Long Shank.

$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.
9 $\frac{1}{2}$ d.	1/3	1/11	2/9	4/7



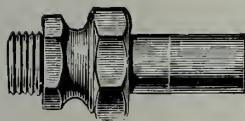
No. 1532.  
Boiler Screw, Double Nut.

$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.
10 $\frac{1}{2}$ d.	1/4	2/-	3/6	4/7



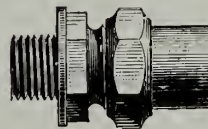
No. 1533.  
Union Joint, for Lead Pipe.

$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.
8 $\frac{1}{2}$ d.	1/1 $\frac{1}{2}$	1/11	2/7	3/5	6/3



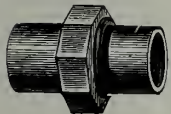
No. 1534.  
Union Joint, for Lead and  
Iron Pipe.

$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.
1/5	1/10 $\frac{1}{2}$	2/10	4/2	5/10	8/4



No. 1535.  
Union Joint, for Iron Pipe,  
Ground Joint, Male  
and Female.

$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.
1/9	2/6	3/6	5/10	7/5	11/3



No. 1536.  
Union Joint, for Iron Pipe.  
Female Ends.

$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.
1/3	1/9	2/6	4/2	4/10	7/1



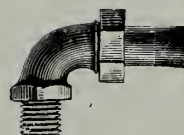
No. 1537.  
Caps and Linings.

	$\frac{3}{8}$ in.	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.
Medium ...	3 $\frac{1}{2}$ d.	4d.	6 $\frac{1}{2}$ d.	11d.	1/4	1/10
Strong ...	7d.	8d.	1/-	1/6	2/-	2/6



No. 1538.  
Bent Union Ferrule.

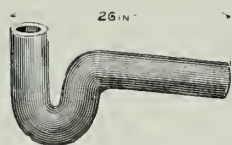
$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.
1/2	1/6 $\frac{1}{2}$	2/5	3/4



No. 1539.  
Elbow Ferrule, Ground-in Union.

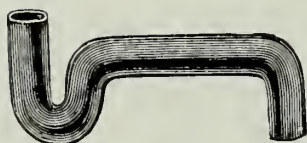
$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.
1/5 $\frac{1}{2}$	2/1	3/9	5/-	7/2	11/3

# HYDRAULIC DRAWN LEAD TRAPS, BENDS, AND OFFSETS.



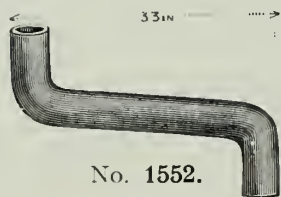
No. 1550.

		Overall dimensions—	26 in.	28 in.	30 in.	32 in.	34 in.	36 in.
3½ in.	{ 6 lbs.	...	6/3	6/7	6/11	7/3	7/7	7/11
	{ 8 lbs.	...	8/9	9/2	9/8	10/1	10/7	11/-
4 in.	{ 6 lbs.	...	7/4	7/9	8/2	8/7	9/-	9/4
	{ 8 lbs.	...	9/4	9/10	10/5	10/11	11/5	12/-



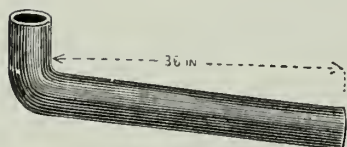
No. 1551.

		Overall dimensions—	28 in.	30 in.	33 in.	36 in.	38 in.	40 in.
3½ in.	{ 6 lbs.	...	7/7	7/11	8/5	8/11	9/3	9/7
	{ 8 lbs.	...	10/4	10/10	11/6	12/2	12/8	13/2
4 in.	{ 6 lbs.	...	9/2	9/7	10/2	10/10	11/3	11/8
	{ 8 lbs.	...	11/10	12/4	13/1	13/10	14/5	14/11



No. 1552.

		Overall dimensions—	28 in.	30 in.	33 in.	36 in.	38 in.	40 in.
3½ in.	{ 6 lbs.	...	6/10	7/2	7/8	8/2	8/6	8/10
	{ 8 lbs.	...	9/-	9/6	10/1	10/10	11/3	11/9
4 in.	{ 6 lbs.	...	8/2	8/6	9/2	9/10	10/2	10/7
	{ 8 lbs.	...	10/5	10/11	11/8	12/6	13/-	13/6



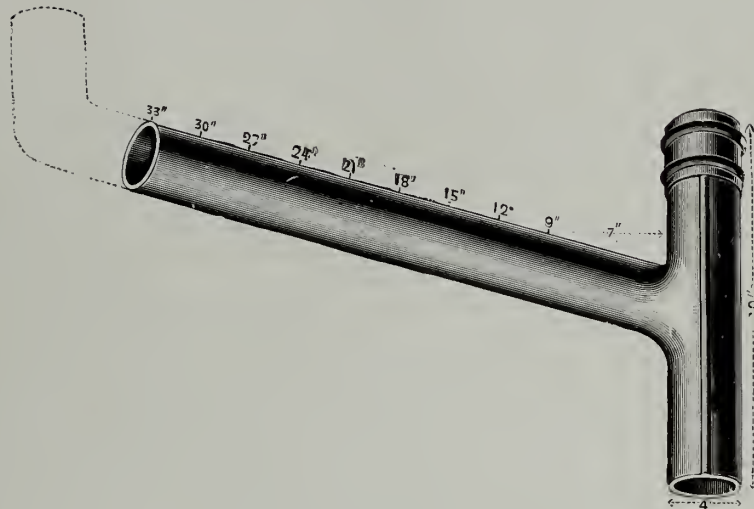
No. 1553.

		Overall dimensions—	28 in.	30 in.	33 in.	36 in.	38 in.	40 in.
3½ in.	{ 6 lbs.	...	4/10	5/4	5/10	7/-	8/-	8/8
	{ 8 lbs.	...	6/8	7/4	8/1	9/8	11/1	12/-
4 in.	{ 6 lbs.	...	5/11	6/5	7/3	8/5	9/7	11/-
	{ 8 lbs.	...	7/7	8/4	9/1	10/11	12/6	13/6

Specials any Length or Angle to order.



# LEAD JUNCTIONS.



No.	Size.	Projection—	12 in.	15 in.	18 in.	21 in.	24 in.	27 in.	30 in.	33 in.	36 in.
1554.	3 1/2 in. dia. Main, 3 1/2 in. Branch ...	10/2	10/9	11/3	11/9	12/6	13/-	13/6	14/-	14/6	15/9
1555.	4 in. „ „ 3 1/2 in. „ ...	11/3	11/9	12/6	13/-	13/6	14/-	14/6	15/3	15/9	16/6
1556.	4 in. „ „ 4 in. „ ...	14/3	15/3	16/-	16/9	17/6	18/6	19/3	20/-	21/-	22/6

## LEAD PIPE.

Sizes and Weights of Lead Pipe Manufactured and Stocked.

Size.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1/4 in. ...	20	—	—	—	—	—	—	—	—
3/8 in. ...	20	25	30	—	—	—	—	—	—
1/2 in. ...	15	18	22	25	28	30	35	—	—
5/8 in. ...	15	18	—	—	—	—	—	—	—
3/4 in. ...	18	22	30	35	40	45	—	—	—
7/8 in. ...	22	25	28	32	36	40	45	50	55
1 in. ...	30	36	42	48	56	60	70	80	—
1 1/4 in. ...	30	36	42	48	56	60	64	72	—
1 1/2 in. ...	36	42	48	56	64	72	84	—	—
1 3/4 in. ...	72	84	96	—	—	—	—	—	—
2 in. ...	48	56	64	72	84	96	112	—	—
2 1/2 in. ...	96	112	120	—	—	—	—	—	—
3 in. ...	120	140	180	—	—	—	—	—	—
3 1/2 in. ...	130	160	190	—	—	—	—	—	—
4 in. ...	140	200	240	—	—	—	—	—	—
4 1/2 in. ...	160	200	280	—	—	—	—	—	—
5 in. ...	200	240	300	—	—	—	—	—	—
6 in. ...	240	370	500	—	—	—	—	—	—

WEIGHT :  
Per 15 ft. length,  
in bundles of 60 feet.

Per 12 ft. length,  
in bundles  
or any length to order.

Per 10 ft., in any  
length under 15 ft.

## SOIL PIPE.

Size.	Equal to	5	6	7	8	9	10	12	lbs. Sheet Lead.
2 in. ...	about	28	40	—	—	—	—	—	lbs. per 12 feet length.
2 1/2 in. ...	„	—	40	48	55	—	70	—	10 „
3 in. ...	„	40	50	58	67	—	—	100	10 „
3 1/2 in. ...	„	43	57	67	77	87	100	—	10 „
4 in. ...	„	55	66	77	88	100	110	—	10 „
4 1/2 in. ...	„	—	74	86	100	—	—	—	10 „
5 in. ...	„	—	—	90	110	120	—	—	10 „
6 in. ...	„	—	—	—	130	—	160	—	10 „

PLUMBER'S, TINMAN'S, AND BLOWPIPE SOLDER STOCKED.

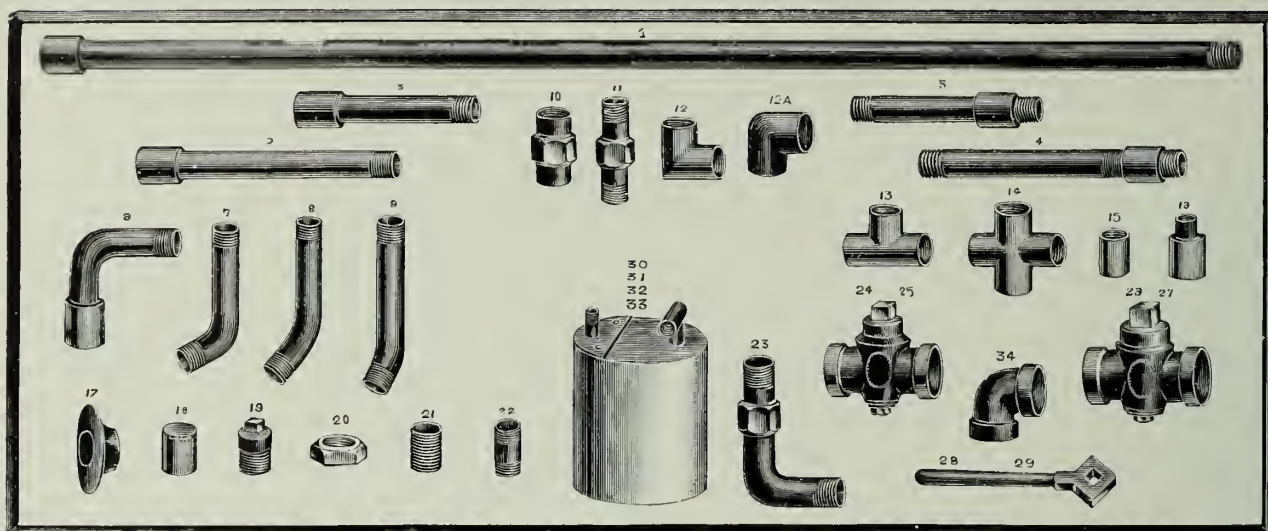
The Market Prices of above being subject to fluctuation, lowest prices can be quoted by Post or 'Phone on application.

## GALVANIZED IRON PIPE GUARDS.

For 3 in. ... 3 1/2 in. ... 4 in. Lead Pipe.  
3/10 ... 5/3 ... 5/6 per 6 ft. length.

Also made to fit ANGLES, same prices.

# WROUGHT-IRON TUBES AND FITTINGS.



STANDARD PRICE LIST OF WROUGHT-IRON TUBES AND FITTINGS  
FOR GAS, WATER, AND STEAM.

Nominal Internal Diameter in Inches ...	$\frac{1}{8}$ & $\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{2}$	4
<b>TUBES.</b>															
Tubes, 2 ft. and up in length ... per ft.	$3\frac{1}{2}$ d.	4d.	5d.	$6\frac{1}{2}$ d.	9d.	1 -	1 4	1 8	1 10	2 6	2 9	3 -	3 3	4 3	4 9
Pieces, 12 to $23\frac{1}{2}$ in. long ... each	9d.	10d.	1 1	1 4	1 10	2 6	3 4	4 3	4 9	6 9	8 -	9 -	10 -	13 6	15 6
Do. 4 to $11\frac{1}{2}$ " " "	$5\frac{1}{2}$ d.	6d.	8d.	10d.	1 2	1 6	2 -	2 7	3 -	4 3	5 3	6 -	6 9	9 3	10 9
Long Screws, 12 to $23\frac{1}{2}$ in. long ... "	10d.	11d.	1 2	1 5	2 -	2 8	3 7	4 8	5 3	7 6	9 -	10 -	11 6	15 6	17 -
Do. 3 to $11\frac{1}{2}$ in. long ... "	$6\frac{1}{2}$ d.	7d.	9d.	11d.	1 3	1 8	2 3	3 -	3 3	4 8	6 3	6 7	8 -	10 9	12 3
Barrel Nipples ... " "	5d.	5d.	6d.	7d.	9d.	1 -	1 4	1 8	1 9	2 6	3 -	3 6	4 -	6 -	7 -
Bends ... " "	7d.	8d.	10d.	1 -	1 6	2 6	3 -	4 -	5 -	8 6	12 -	15 -	18 -	25 -	32 6
Springs, not Socketed ... " "	5d.	6d.	7d.	9d.	1 1 $\frac{1}{2}$	1 11 $\frac{1}{2}$	2 3 $\frac{1}{2}$	3 1	3 11	6 9	9 6	12 -	14 6	20 -	26 6
<b>FITTINGS.</b>															
Socket or Pipe Union ... " each	2 -	2 6	3 -	4 -	5 6	6 9	8 -	9 -	10 -	15 -	17 6	20 -	22 6	27 6	35 -
Elbows, Square ... " "	$8\frac{1}{2}$ d.	9d.	10d.	1 -	1 4	1 10	2 5	3 -	3 10	6 3	9 -	11 6	14 -	22 -	28 -
Do. Round ... " "	$9\frac{1}{2}$ d.	11d.	1 -	1 3	1 6	2 1	2 7	3 6	4 6	6 9	10 -	13 -	17 -	25 -	32 -
Tees ... " "	9d.	10d.	11d.	1 2	1 5	2 -	2 6	3 2	4 3	6 6	9 6	12 6	16 6	24 -	30 -
Crosses ... " "	1 4	1 6	1 11	2 4	3 -	4 -	4 10	6 -	7 9	14 -	21 4	28 -	40 -	56 -	66 8
Sockets, Plain ... " "	2d.	2d.	3d.	$3\frac{1}{2}$ d.	$4\frac{1}{2}$ d.	$6\frac{1}{2}$ d.	$8\frac{1}{2}$ d.	11d.	1 1	1 9	2 6	3 -	3 6	5 -	6 -
Do. Diminished ... " "	3d.	4d.	5d.	6d.	7d.	9d.	11d.	1 2	1 4	2 3	3 3	4 -	5 -	7 -	9 -
Flanges ... " "	9d.	10d.	1 -	1 2	1 4	1 9	2 -	2 3	2 9	4 -	5 -	6 9	8 6	10 -	11 6
Caps ... " "	$3\frac{1}{2}$ d.	$3\frac{1}{2}$ d.	5d.	6d.	8d.	1 -	1 3	1 7	2 -	3 -	4 4	5 3	6 -	9 9	10 6
Plugs ... " "	3d.	3d.	4d.	5d.	6d.	8d.	10d.	1 -	1 3	2 -	2 6	3 6	4 9	7 -	10 -
Backnuts ... " "	2d.	2d.	3d.	$3\frac{1}{2}$ d.	5d.	6d.	8d.	10d.	1 1	1 9	2 3	3 -	3 6	4 6	5 6
Nipples ... " "	2d.	2d.	3d.	$3\frac{1}{2}$ d.	4d.	6d.	8d.	10d.	1 -	1 9	2 3	3 -	3 6	4 6	5 6
Union Bends ... " "	2 6	3 -	3 9	5 -	6 3	8 6	10 -	11 6	13 6	21 -	27 -	32 -	37 -	49 -	58 -

Tubes, Screwed and Socketed, supplied in exact lengths or in 2 to 6 feet lengths, are charged at  $2\frac{1}{2}\%$  less gross discount.

Tubes not Screwed or Socketed, supplied in random lengths of any length, are charged at the current discount, with an extra allowance of  $2\frac{1}{2}\%$  off the nett.

Tubes not Screwed or Socketed, cut to exact lengths of any length, are charged at the same discount as tubes screwed and socketed in random lengths.

Tubes Screwed and sent without Sockets are charged at the current discount, with an extra allowance of  $1\frac{1}{2}\%$  off the nett.

Tubes and Fittings Coated, inside and outside, with Dr. Angus Smith's Solution, are charged at  $2\frac{1}{2}\%$  less gross discount.

Tubes and Fittings Painted Red will be charged at Steam Discounts.

Tubes and Fittings Painted Blue will be charged at Water Discounts.

Flanges of Special Outside Diameter, when of larger diameter than the list, are charged at the price of the size which has the required diameter; but when of smaller diameter than the list, no alteration is made in the price, thus:  $1\frac{1}{2} \times 5\frac{1}{2}$  in. diameter is charged at 2/-, and  $1\frac{1}{4} \times 4\frac{1}{2}$  in. diameter at 1/9, subject to usual discounts.

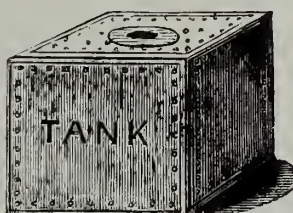
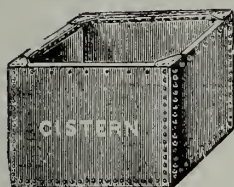
All Short Lengths, 4 in. to 2 ft., whether random or exact, to be considered pieces, and sold at gross prices of pieces, less the same discounts as Tubes of random lengths.

Tubes of Intermediate Diameters are charged at the list price of the next larger sizes.

Springs, if Socketed, will be charged extra for the sockets at list prices.

Diminished Tees are read with the last size as the outlet.

# GALVANIZED CISTERNS, TANKS AND CYLINDERS.



## GALVANIZED CISTERNS.

Gallons about	20	25	30	40	50	60	70	80	90	100	125	150	175
20 Gauge	11/3	12/-	13/3	14/6	16/6	18/9	20/3	21/9	23/3	24/9	—	—	—
18 "	12/6	13/3	14/3	16/6	18/9	20/3	22/6	24/-	26/3	27/9	—	—	—
16 "	13/3	14/3	16/3	18/-	21/-	23/-	24/9	27/-	29/3	30/9	37/-	42/3	47/9
14 "	15/6	18/-	20/3	24/-	26/3	28/6	34/3	37/-	39/3	41/-	46/-	52/6	60/-
12 "	19/6	21/-	23/3	26/6	30/9	35/-	38/9	42/3	44/9	47/9	57/9	63/-	70/-
1/8-in. Plate	21/6	23/3	26/9	29/3	35/-	38/9	42/3	46/-	50/3	53/3	63/-	69/3	78/3
Gallons about	200	250	300	350	400	450	500	600	700	800	900	1000	
16 Gauge	52/6	61/6	72/-	82/6	90/-	—	—	—	—	—	—	—	—
14 "	65/9	73/9	85/6	97/6	105/-	116/3	127/6	150/-	—	—	—	—	—
12 "	77/-	89/-	101/3	112/6	120/-	131/3	142/6	165/-	191/3	217/6	232/6	240/-	—
1/8-in. Plate	84/9	99/3	113/3	123/-	133/6	144/-	154/6	184/6	205/6	232/6	247/6	262/6	—

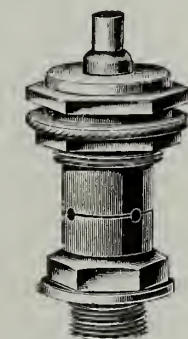
## GALVANIZED H.W. TANKS.

Gallons about	20	25	30	40	50	60	70	80	90	100
16 Gauge	18/9	20/3	22/6	27/-	30/9	—	—	—	—	—
14 "	20/3	21/9	24/-	29/3	35/-	39/3	46/-	52/6	55/6	57/9
12 "	24/3	27/3	30/9	36/3	42/3	47/9	52/6	57/-	60/9	65/9
1/8-in. Plate	27/-	30/-	33/9	39/3	46/-	52/6	57/9	65/-	68/9	73/3

I.R. Rings for Manholes up to 8 in., 1/6, and over 8 in. 2/3 each extra.

## GALVANIZED H.W. CYLINDERS.

Height, Inches	30	33	36	39	42	30	33	36	39	42
Diameter "	15	15	15	15	15	18	18	18	18	18
16 Gauge	23/3	24/3	25/6	26/6	27/9	27/9	29/3	30/9	32/3	33/9
14 "	26/6	27/9	29/3	30/9	32/3	32/3	34/9	36/-	37/9	39/9
12 "	30/-	31/9	33/9	35/9	37/6	37/6	39/9	42/-	44/9	46/6
1/8-in. Plate	33/-	35/-	36/9	38/9	40/6	40/6	42/9	45/-	47/9	49/6



Gun-metal Spring Safety Valve.

1/8 in. 3/9  
3/4 in. 5/-  
1 in. 5/9 each.

## CYLINDERS WITH FOUR FLANGES.

Manholes, 3/9 each extra.

I.R. Rings, 2/3 each extra.

## EXTRA FLANGES BEYOND FOUR.

3/4 and 1 in., 1/6 each extra. 1 1/4 in., 2/- each extra.  
1 1/2 in., 2/3 each extra. 2 in., 3/- each extra.

Delivery within London limit.

Thoroughly tested before leaving Works.

Our responsibility ceases after delivery to Carriers or Works.





## GENERALLY.

In addition to the Sanitary Fittings shown in this Catalogue we wish to draw special attention to the fact that we manufacture regularly various other Sanitary Goods connected with the Building Trades, and, having a large stock, prompt attention can be given to all enquiries.

## REPAIRS.

London Works are equipped with modern machinery, and a qualified staff of skilled workmen. Enquiries are solicited for any repairs connected with Valve Closets, Water Waste Preventers, Baths and Lavatories, Water and Steam Fittings.

## CASTINGS.

Gun-metal, Brass, Aluminium, Copper, Lead, and Cast-iron Castings to customers' own designs or patterns, at short notice and lowest market rates.

### BEST MARKET PRICES ALLOWED FOR OLD METALS.

JOHN JONES (CHELSEA), LTD.,  
CARLYLE WORKS,  
CHURCH STREET, CHELSEA, LONDON, S.W.

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